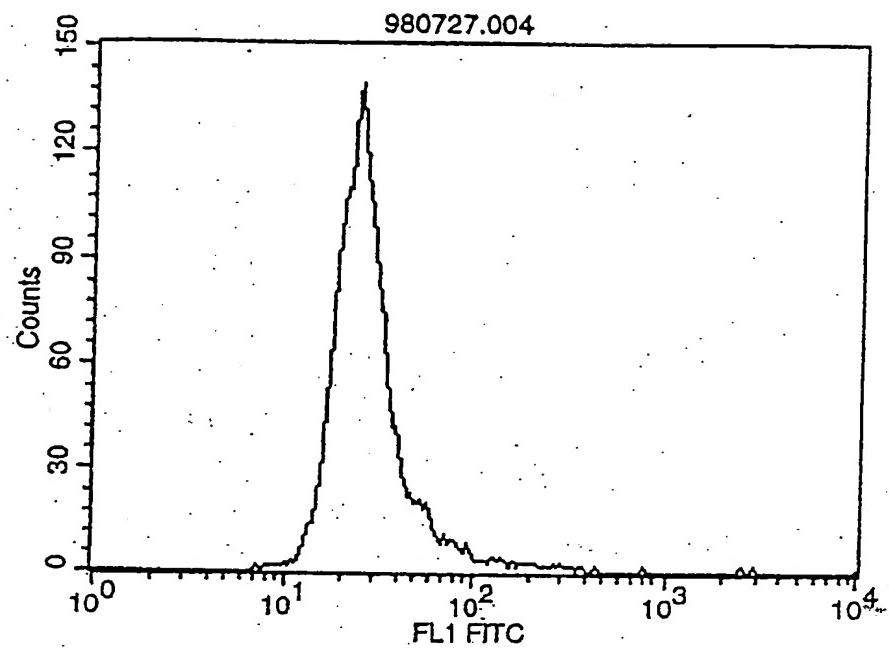
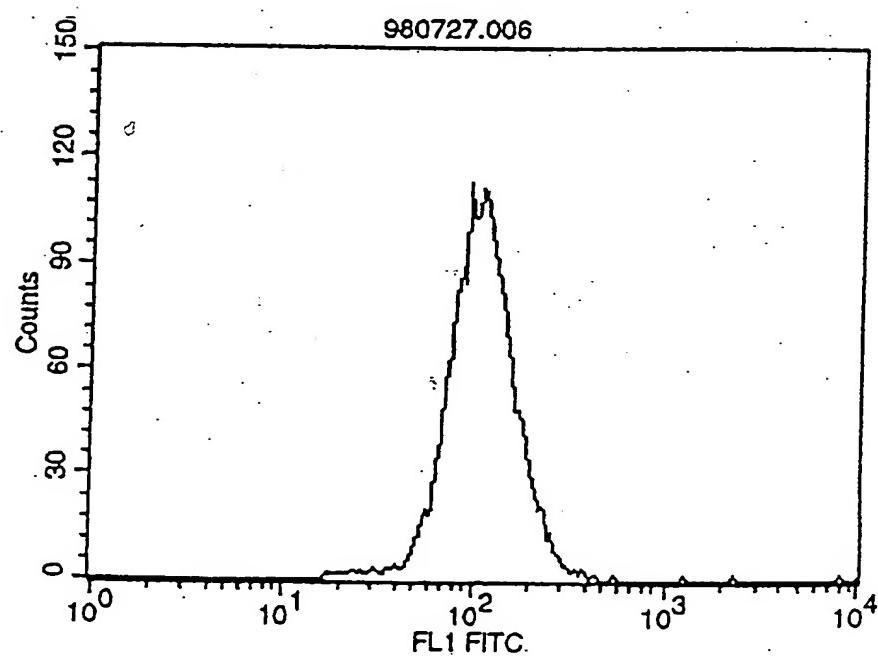


**Fig. 1****Fig. 2**

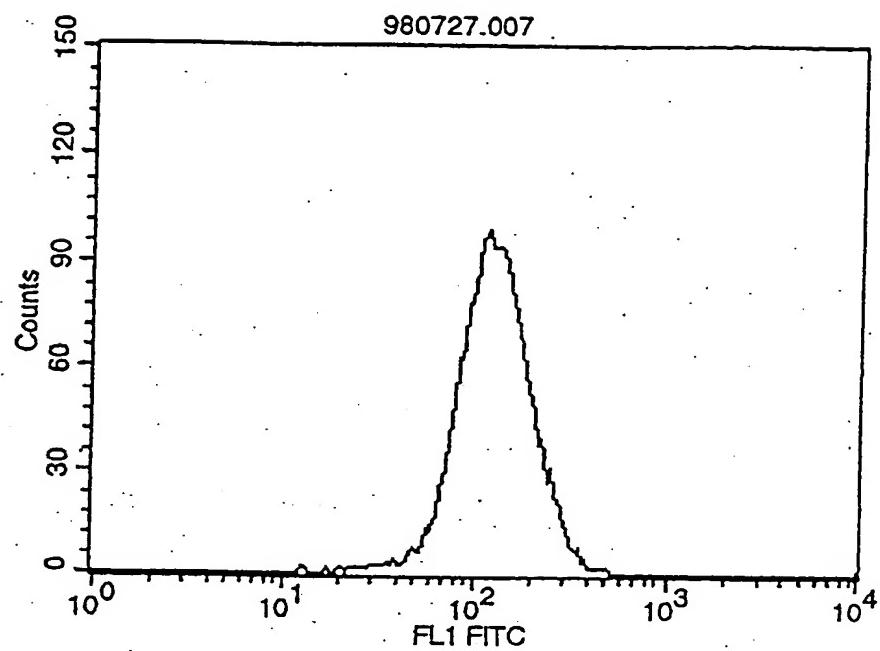
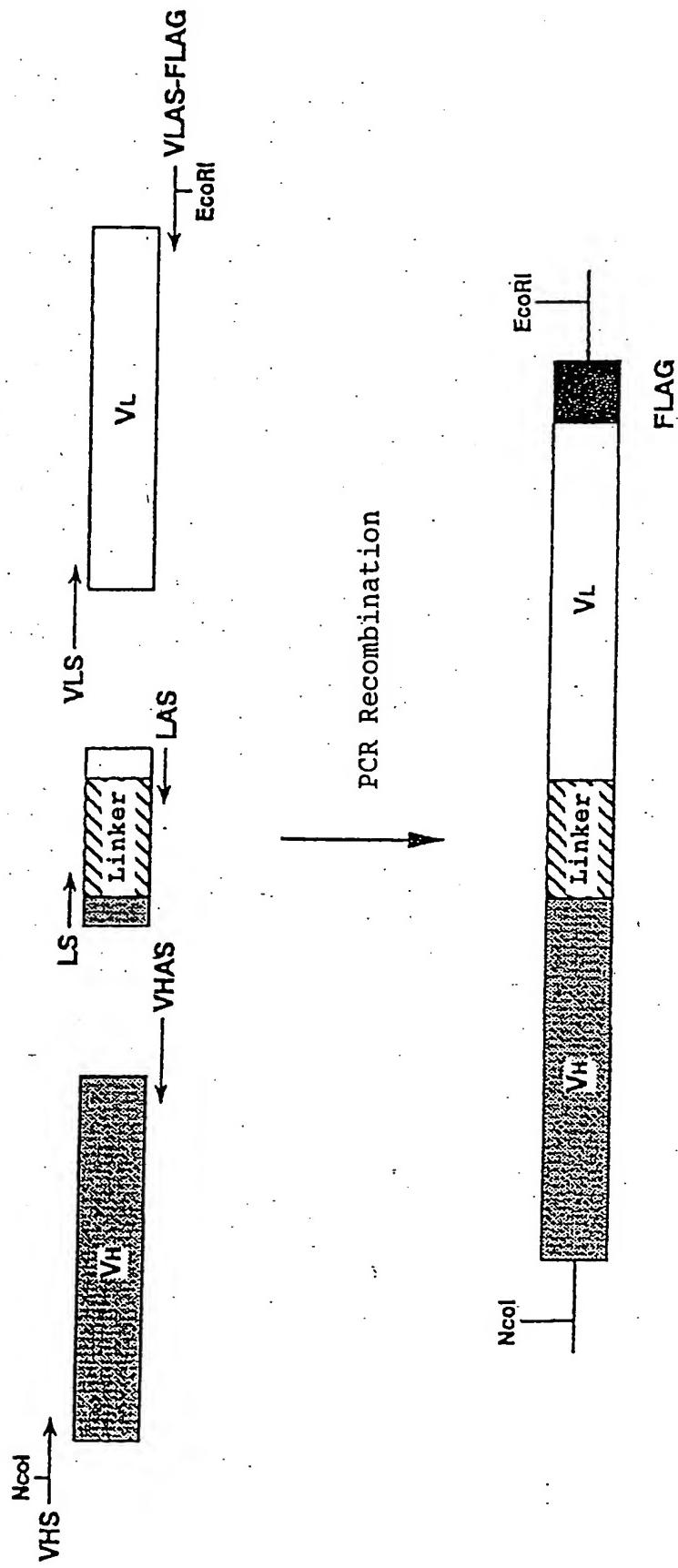
**Fig. 3**

Fig. 4



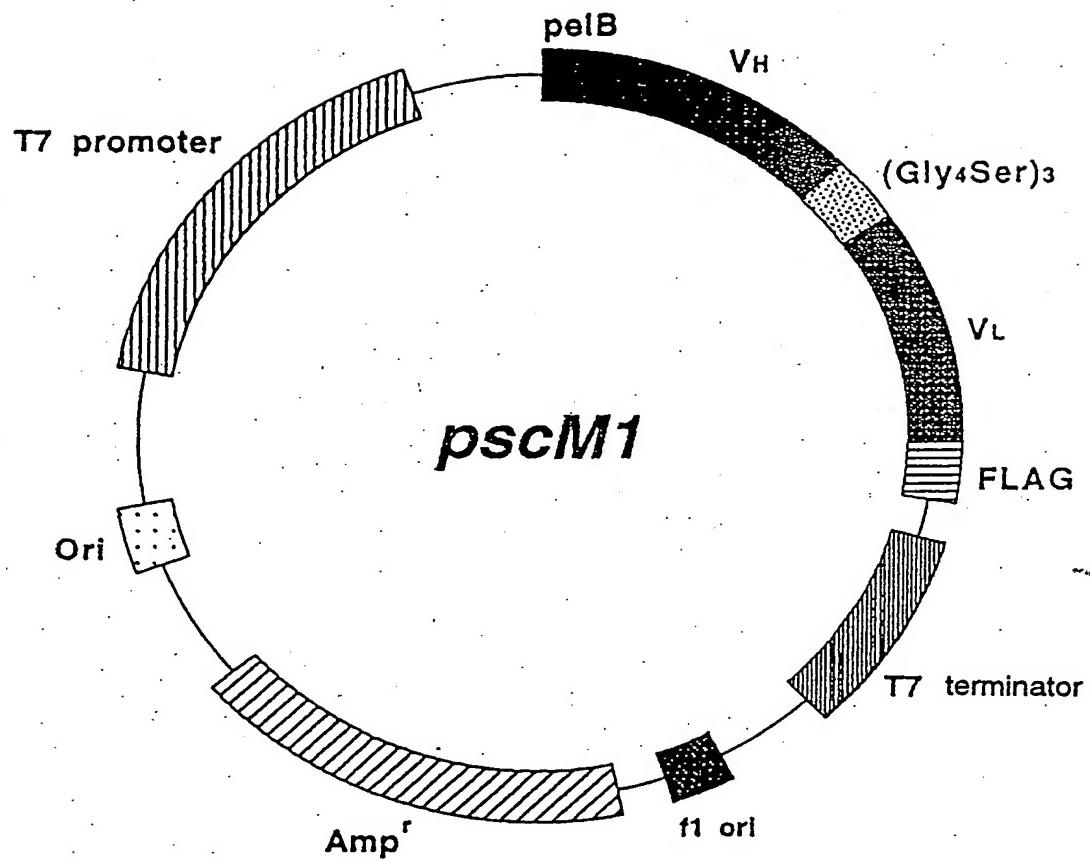
**Fig. 5**

Fig. 6

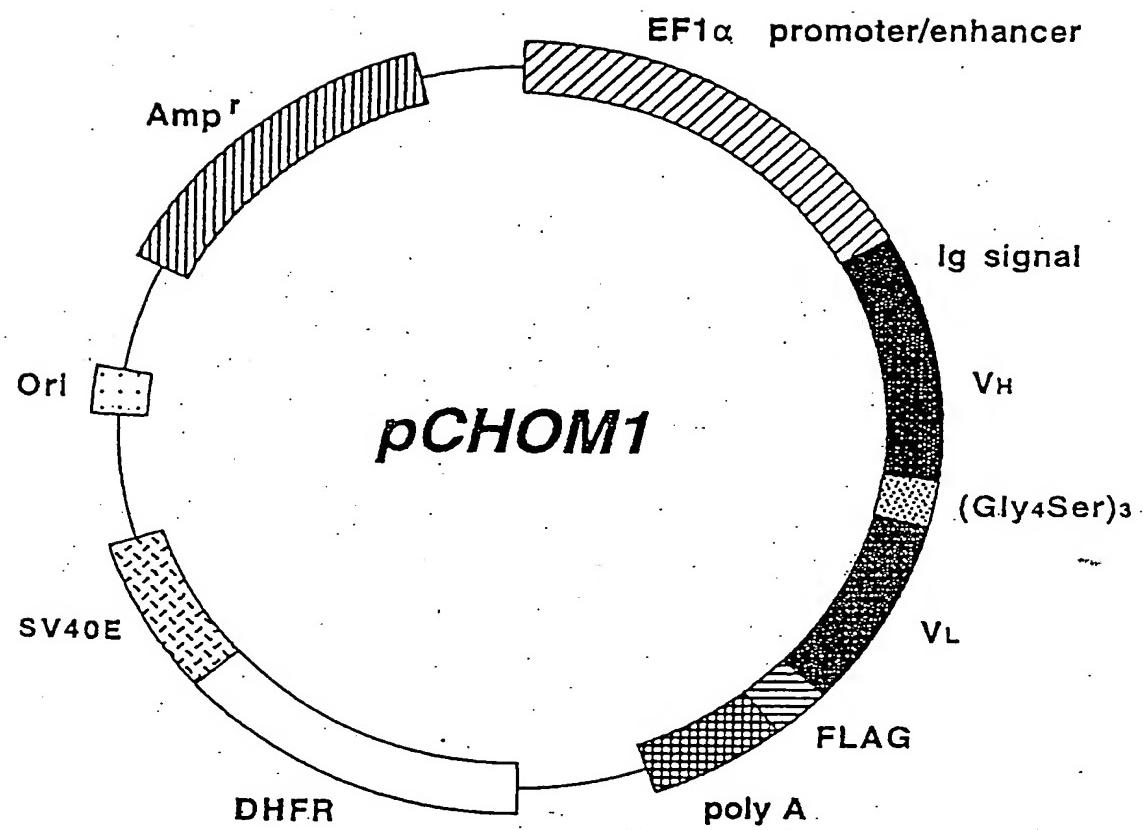
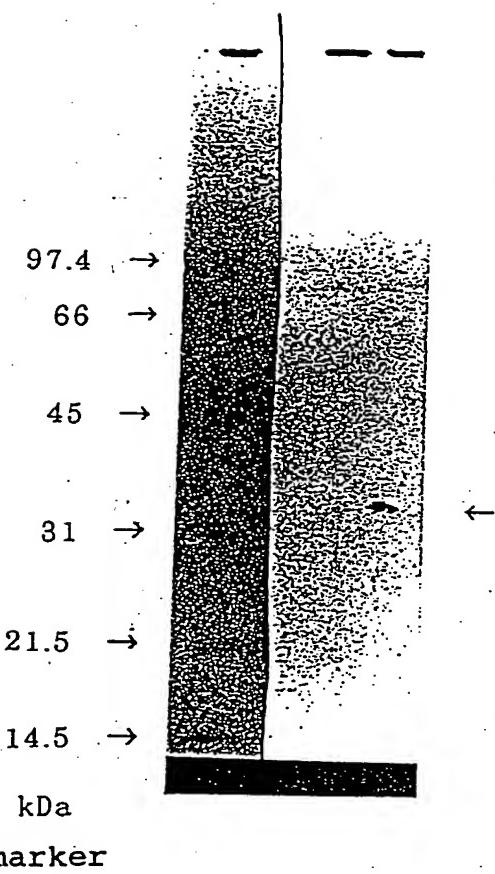
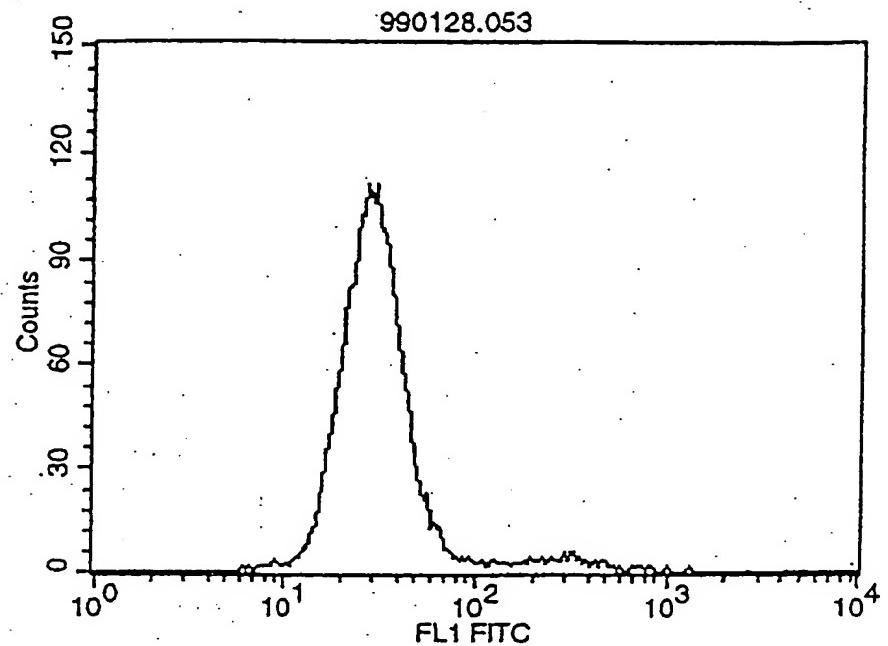
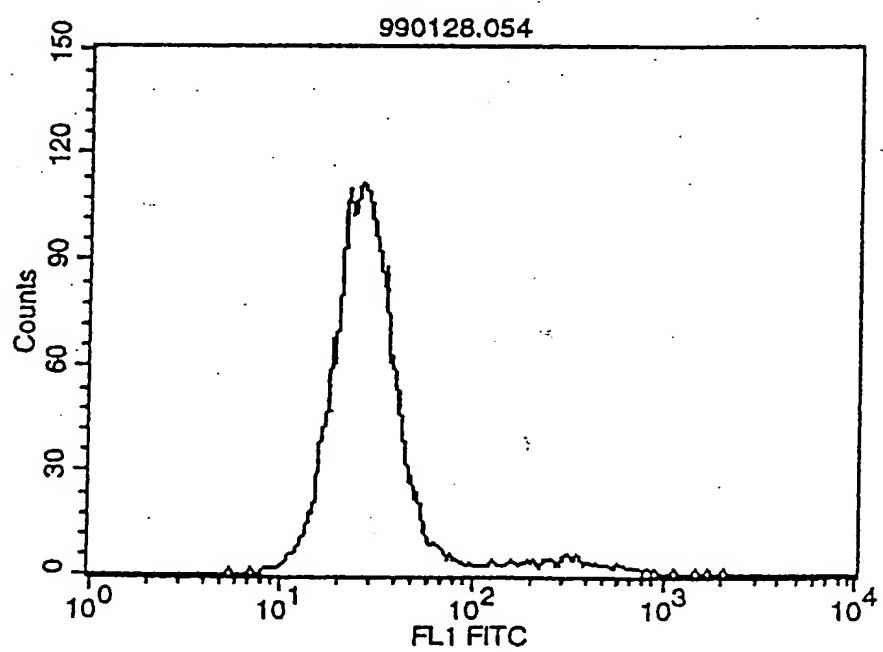


Fig. 7



**Fig. 8****Fig. 9**

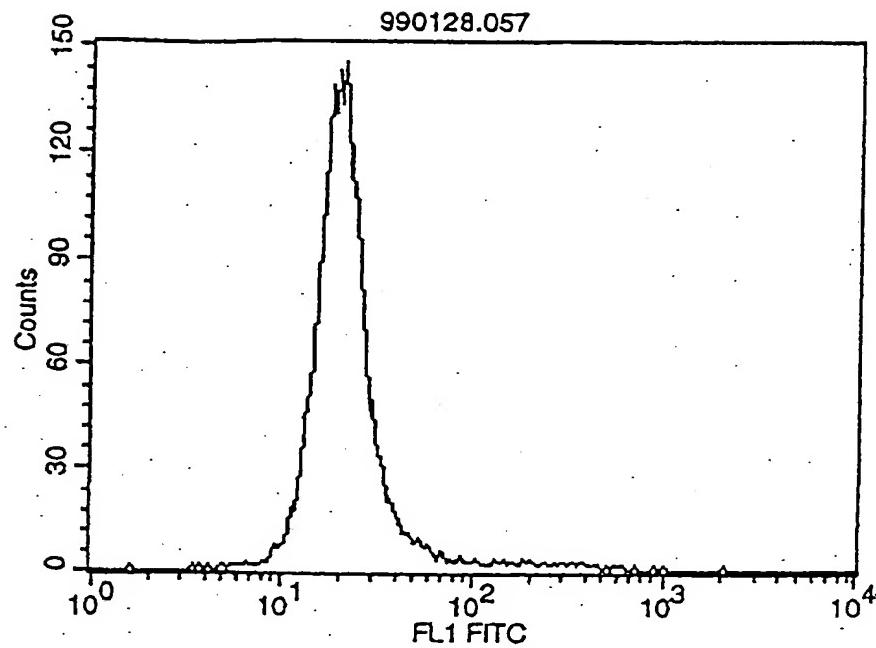
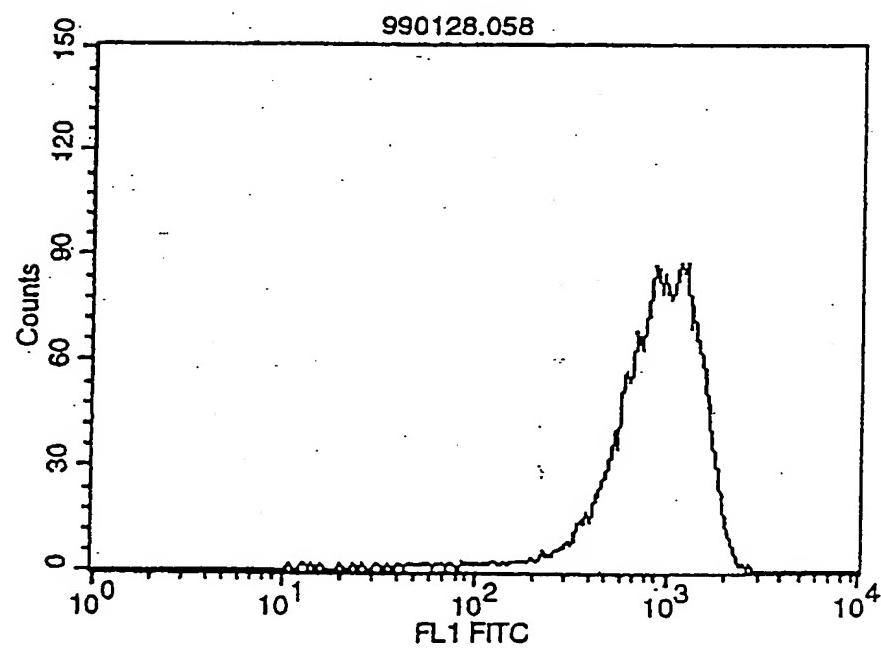
**Fig. 10****Fig. 11**

Fig. 12

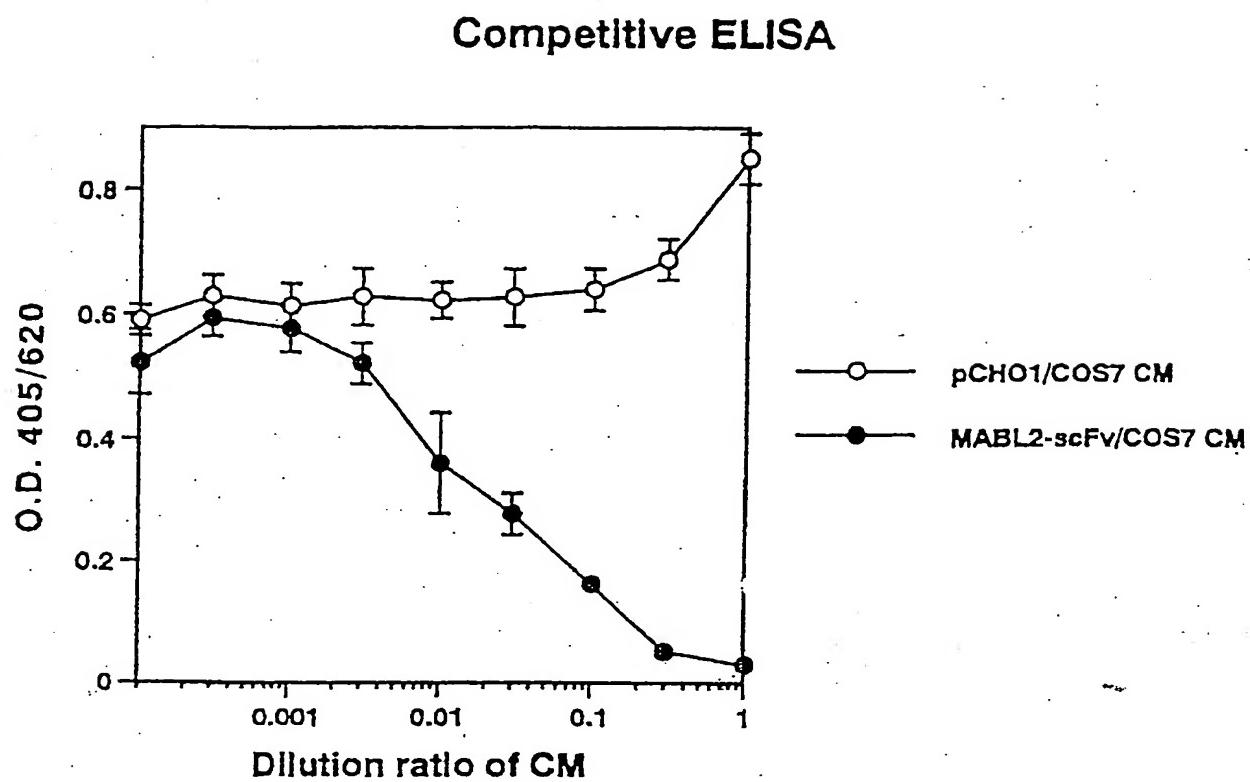
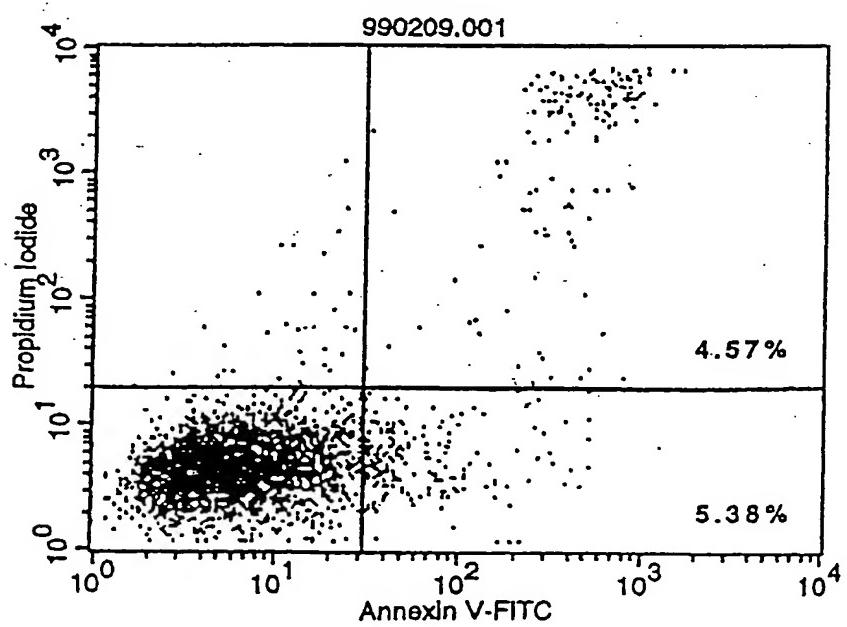


Fig. 13



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Fig. 14

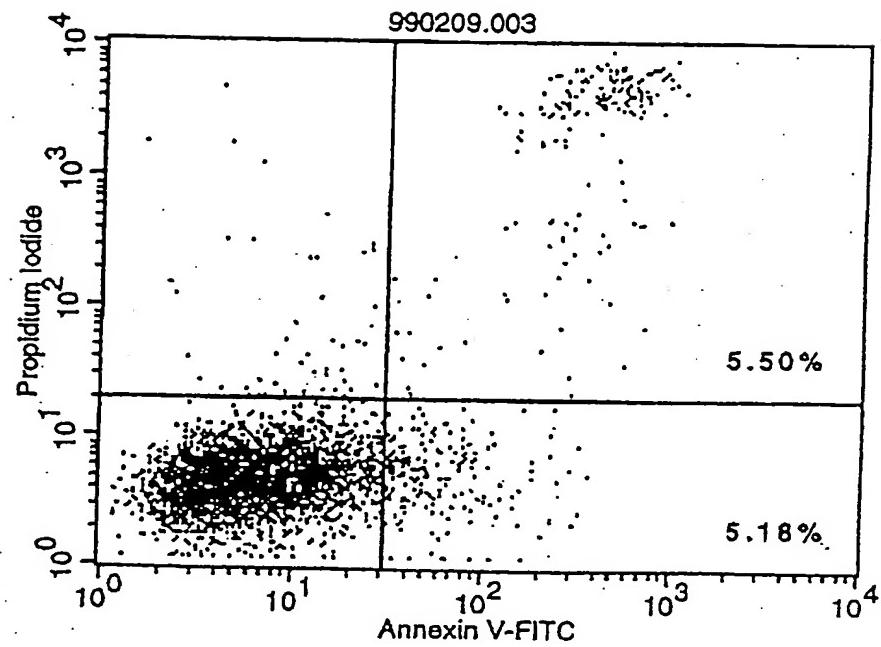


Fig. 15

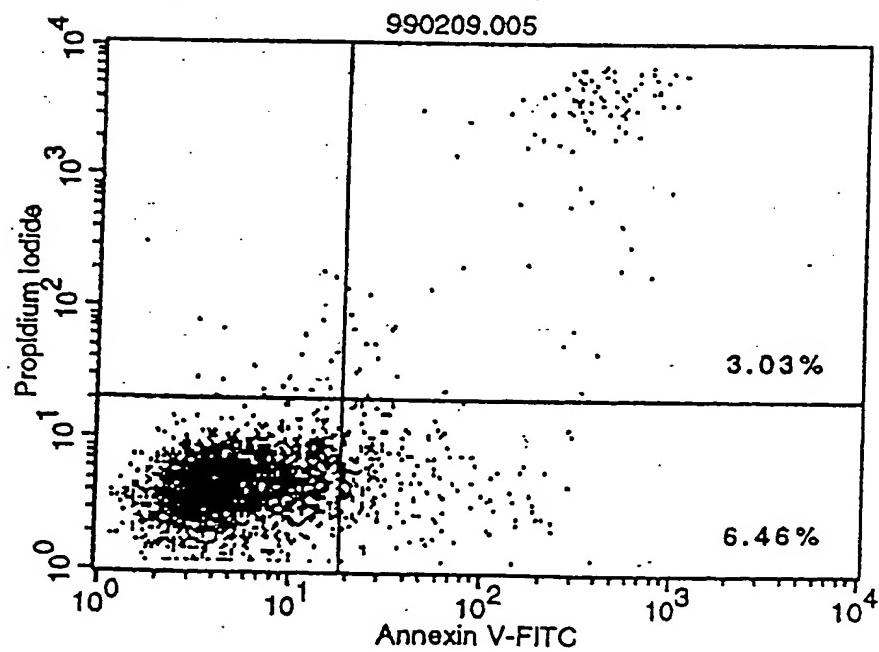


Fig. 16

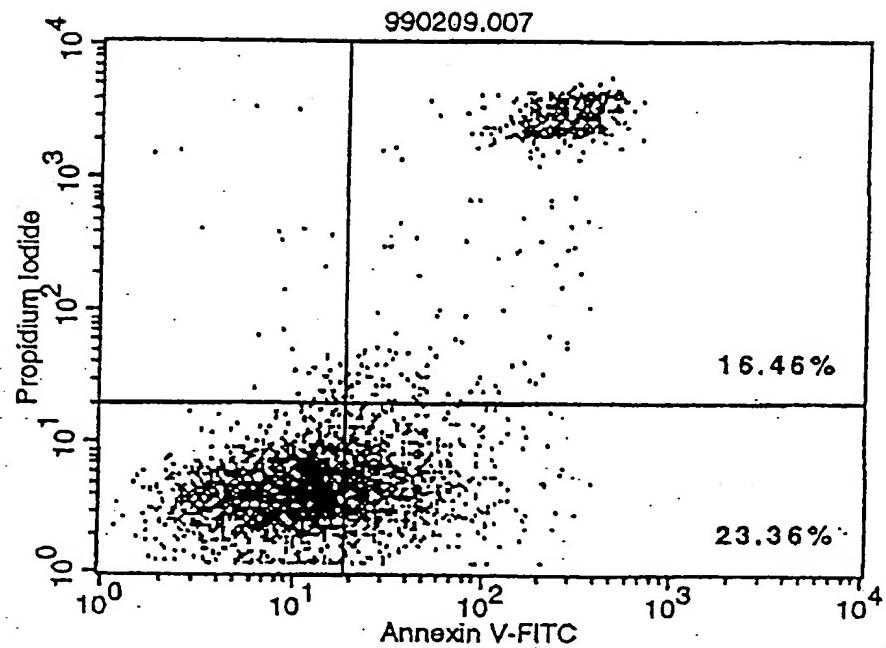


Fig. 17

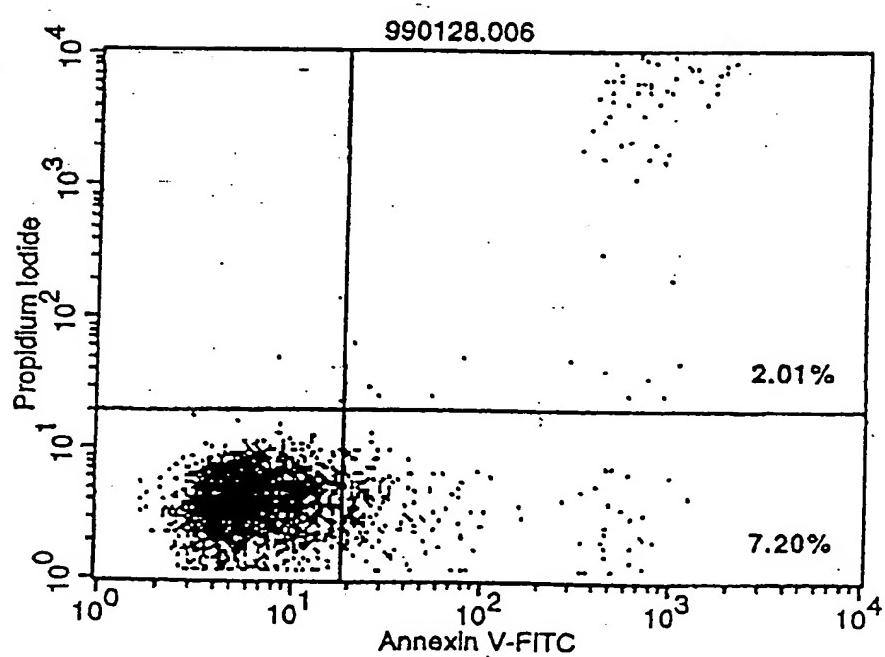


Fig. 18

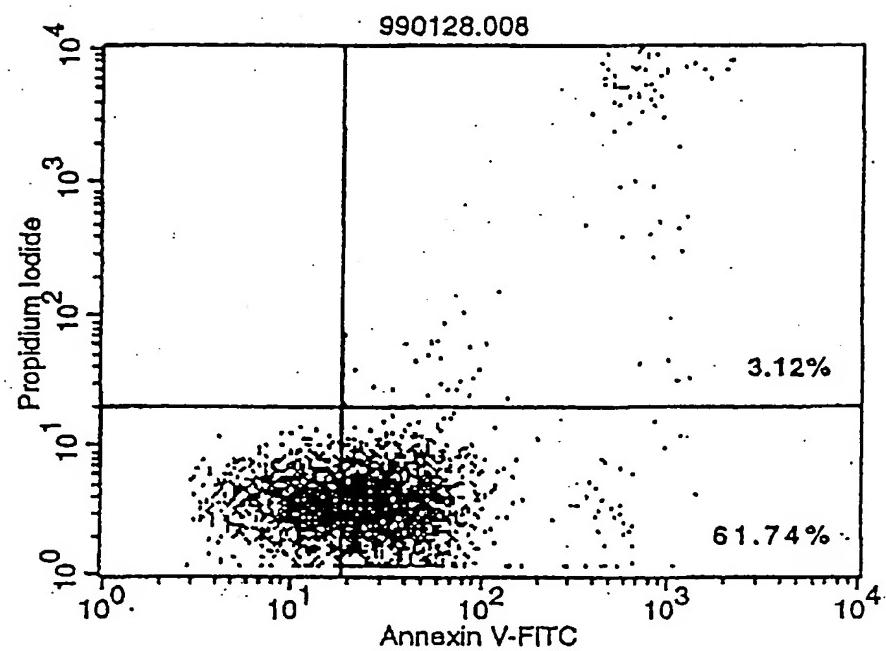


Fig. 19

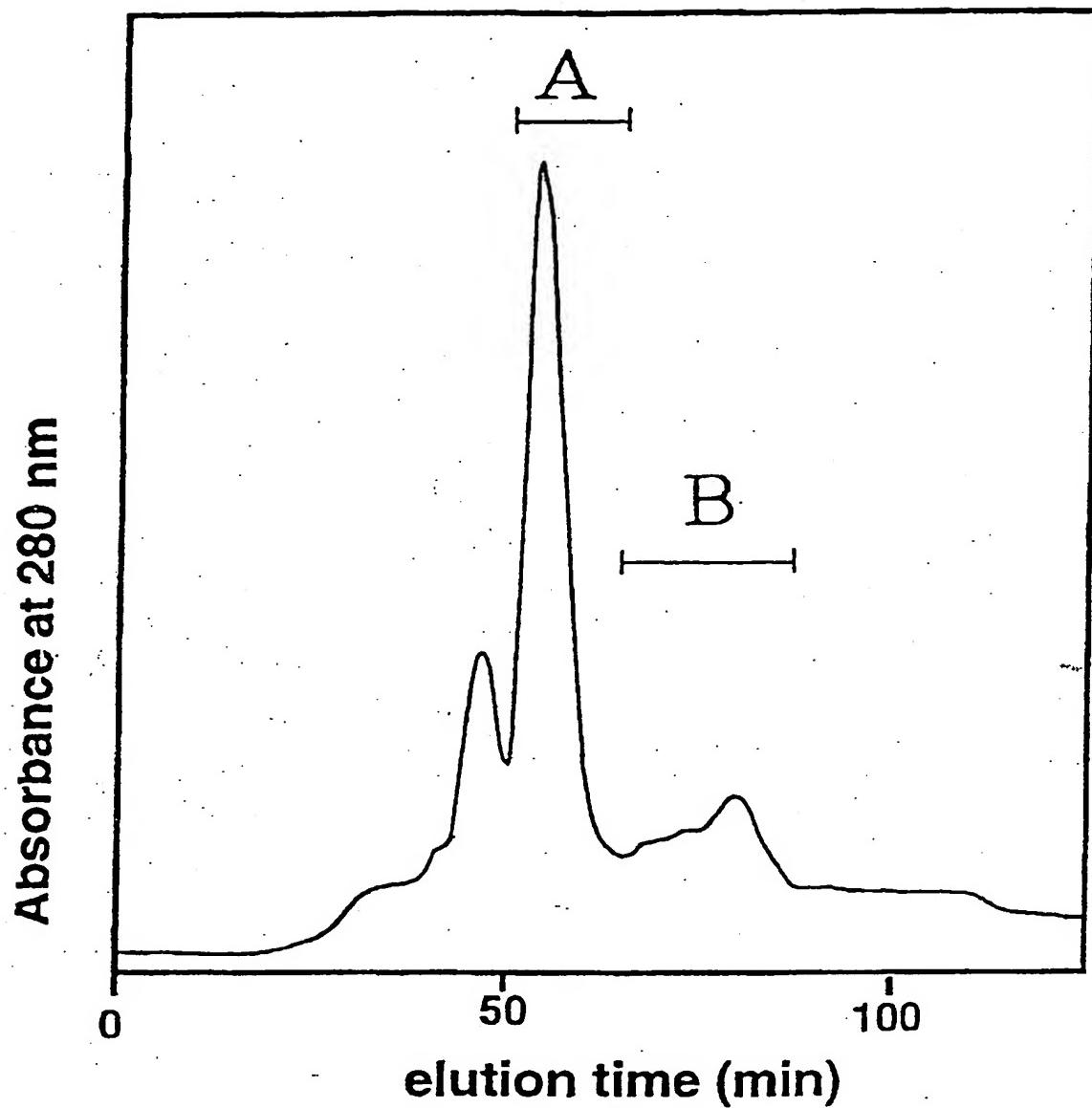


Fig. 20

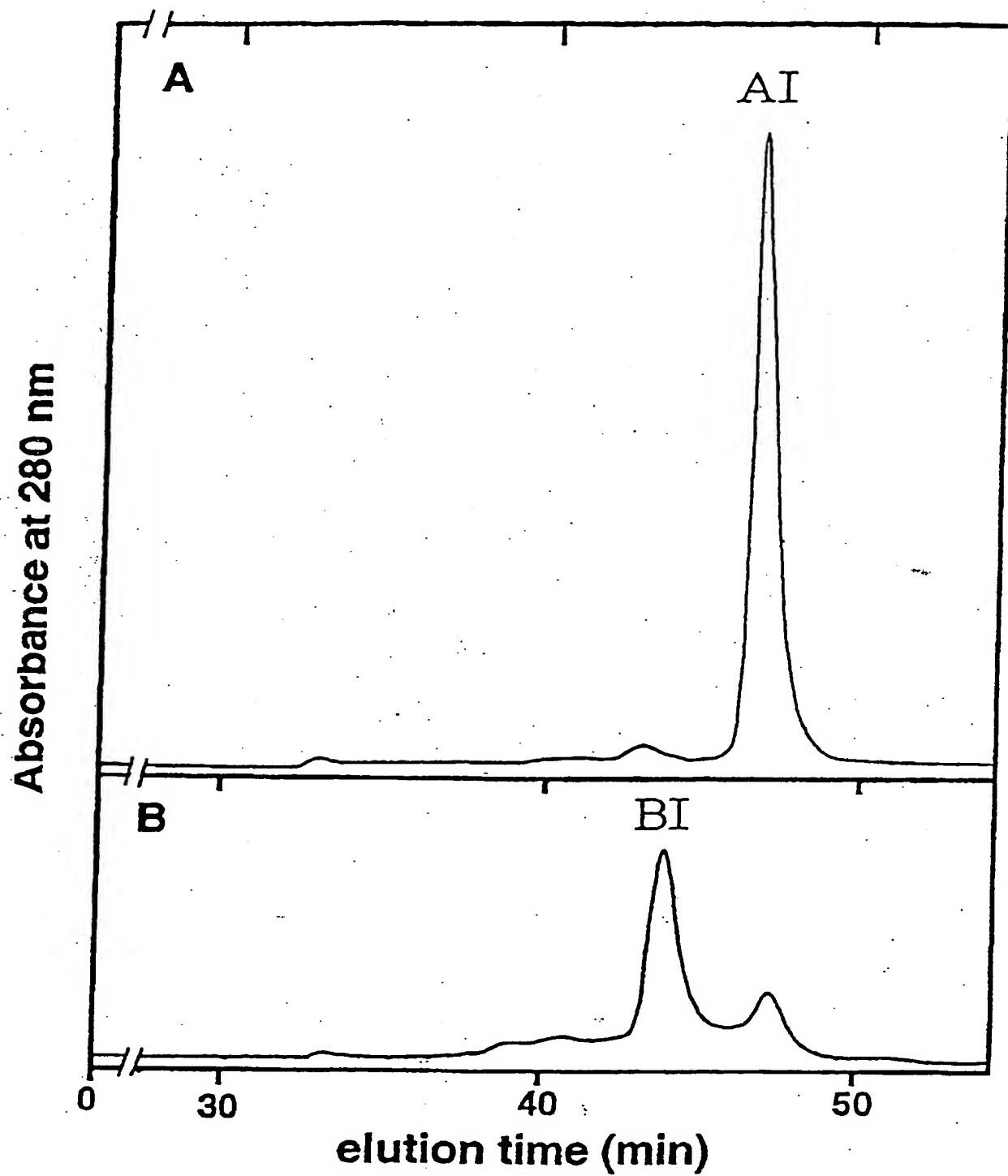
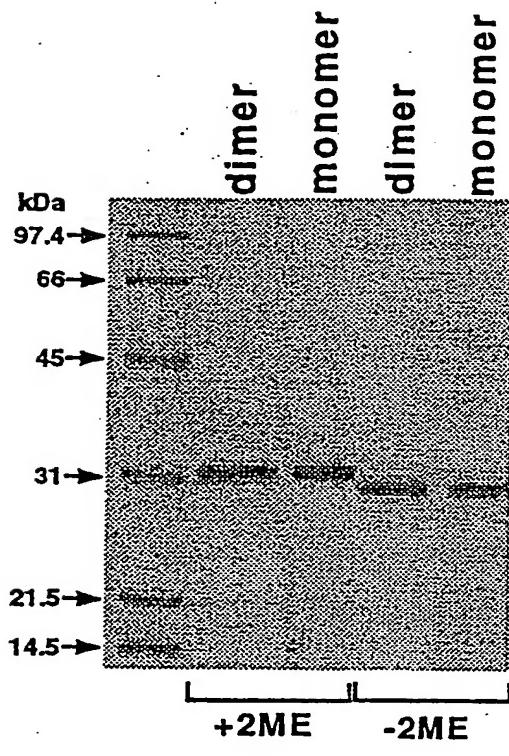


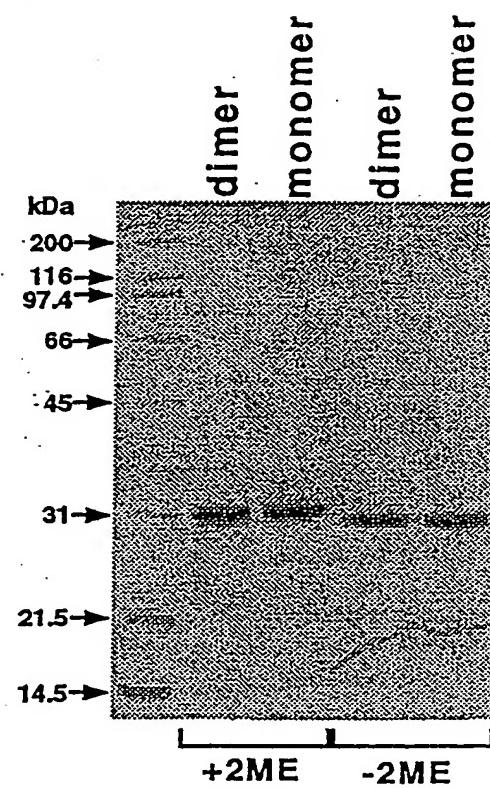
Fig. 21

## SDS-PAGE analysis of MABL2-scFv

&lt;CHO&gt;



&lt;E. coli&gt;



**Fig. 22**

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TSK gel G3000SW  
20 mM Acetate buffer, 0.15 M NaCl, pH 6.0

**monomer**

→ 142kDa  
→ 67kDa  
→ 32kDa

**dimer**

Fig. 23

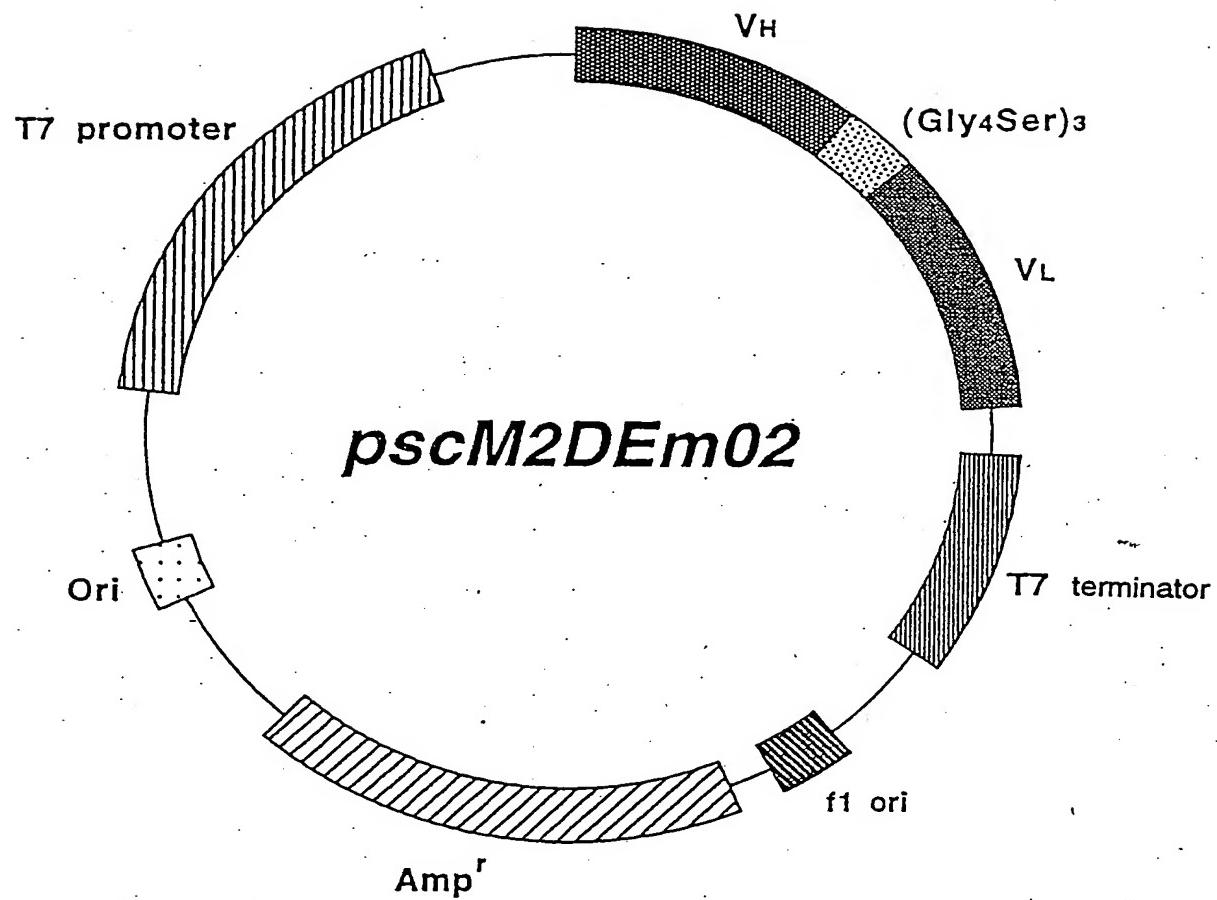
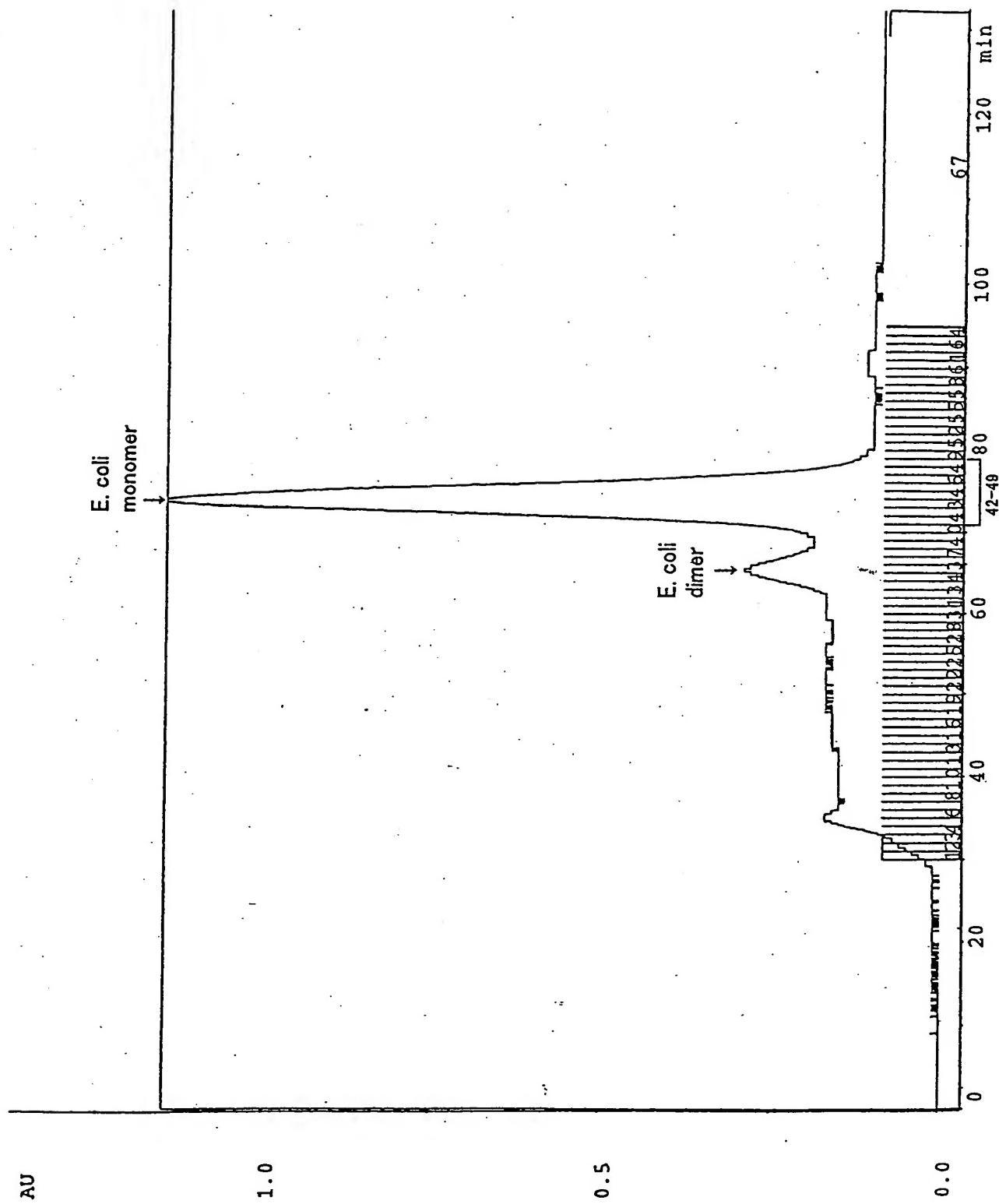


Fig. 24



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Fig. 25

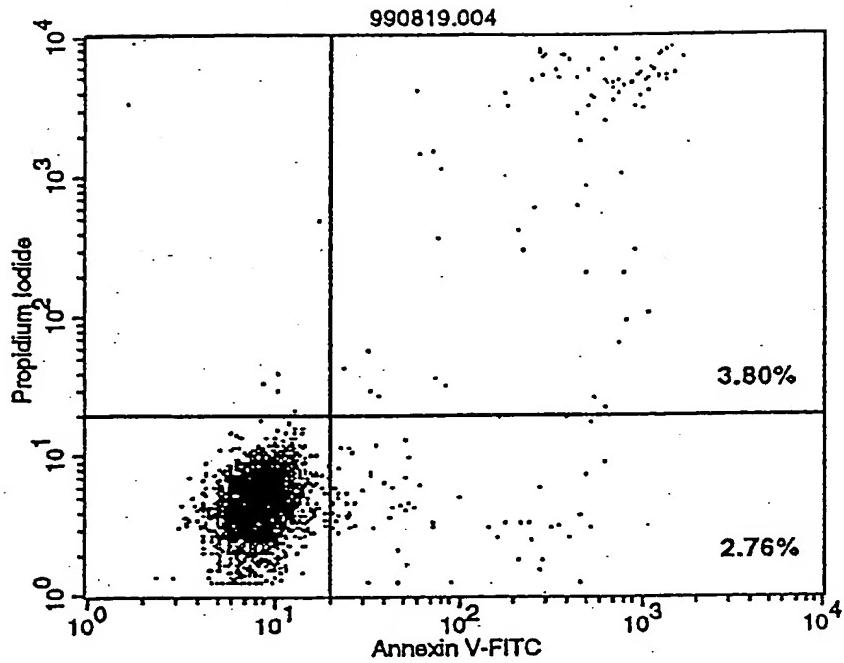
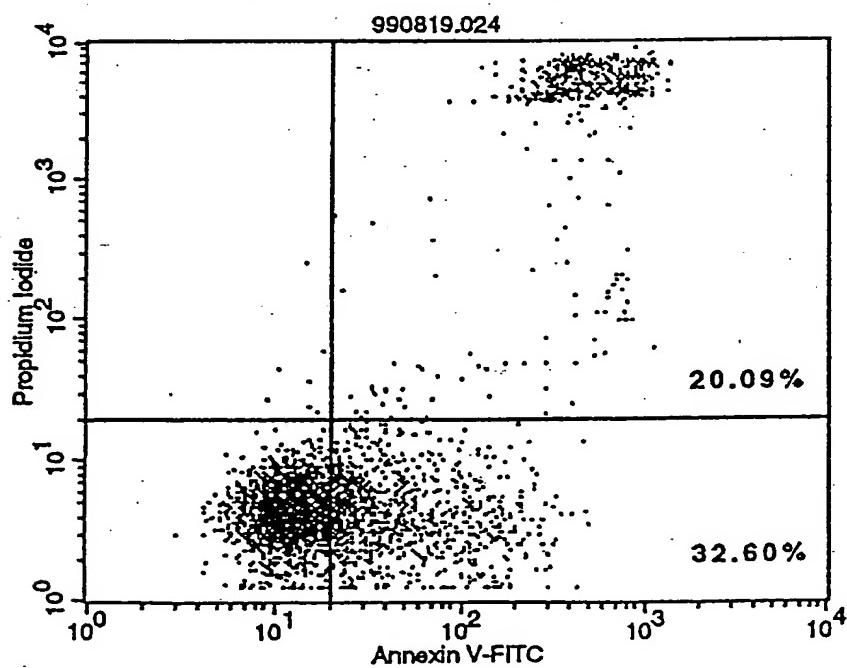
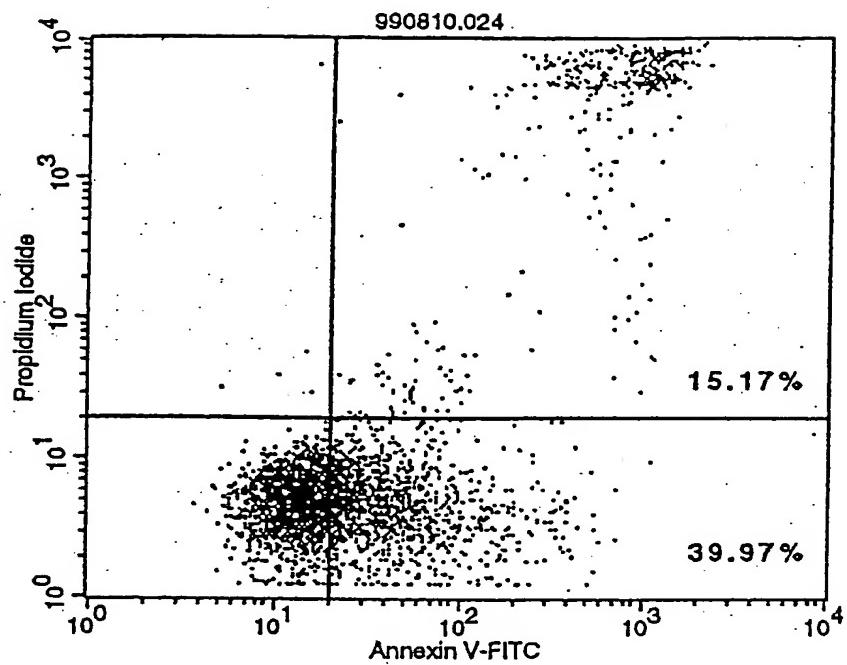


Fig. 26



**Fig. 27**

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**Fig. 28**

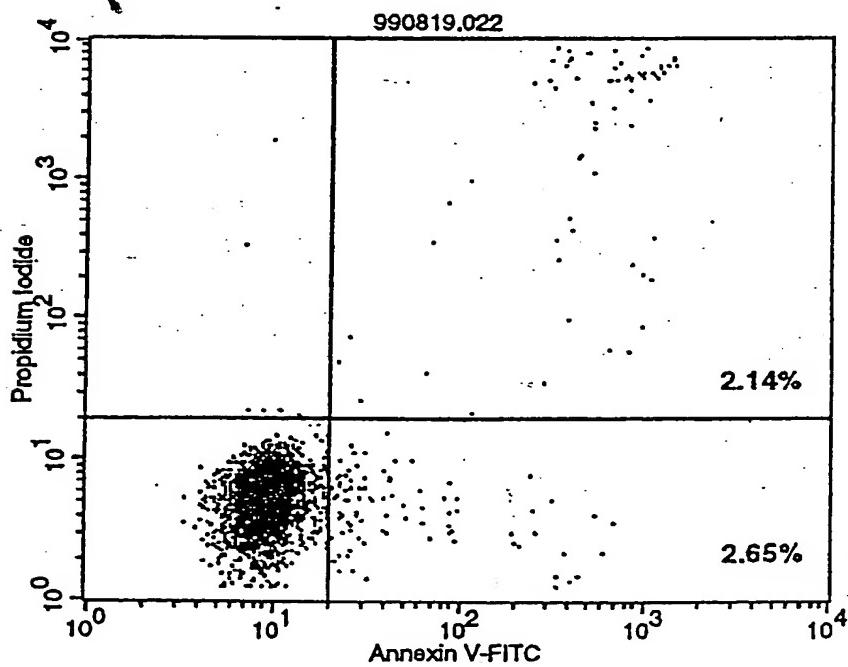
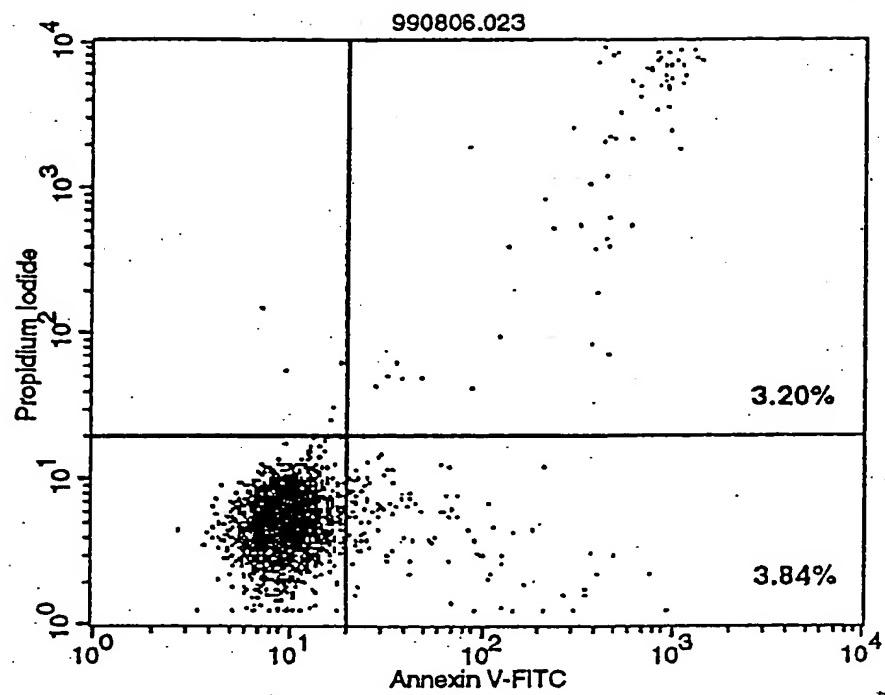


Fig. 29



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Fig. 30

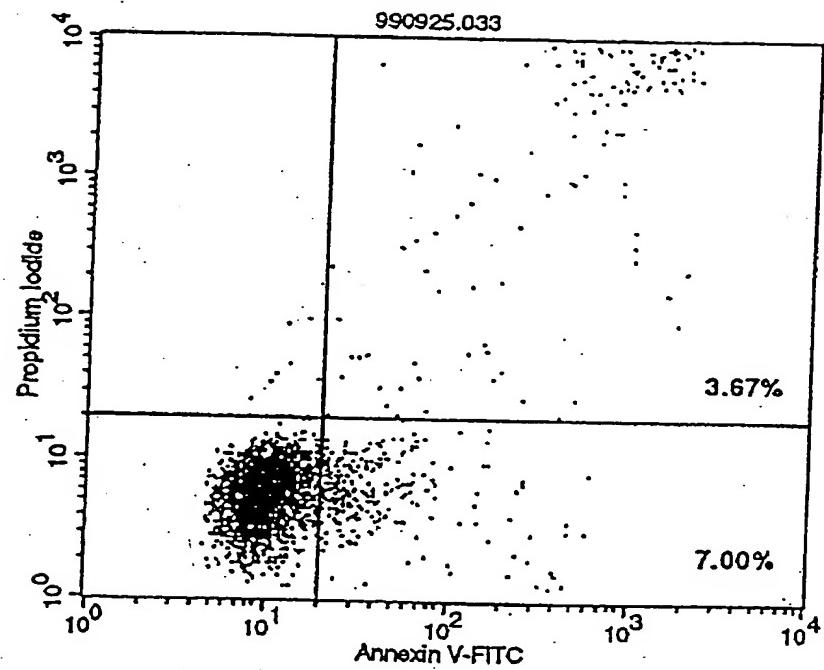


Fig. 31

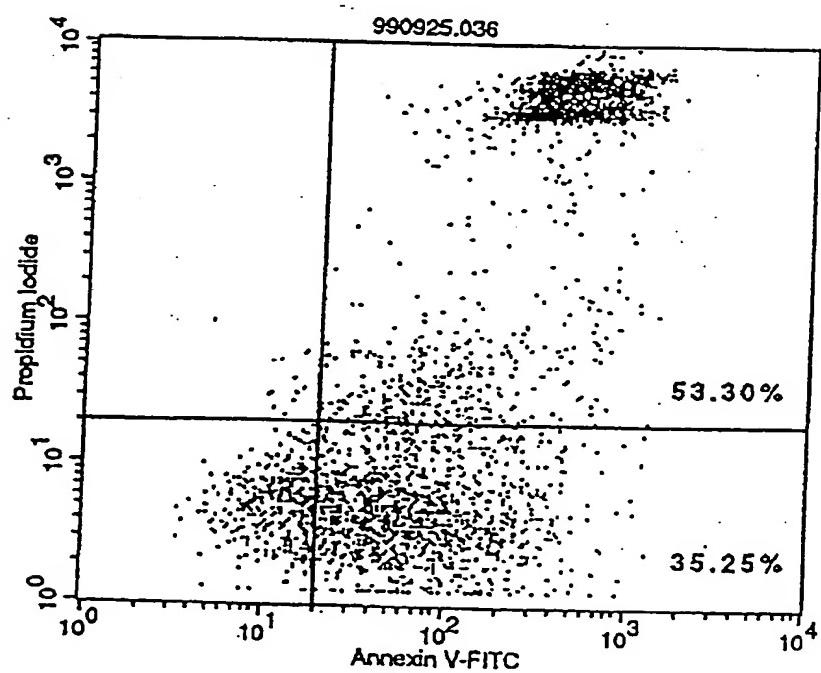
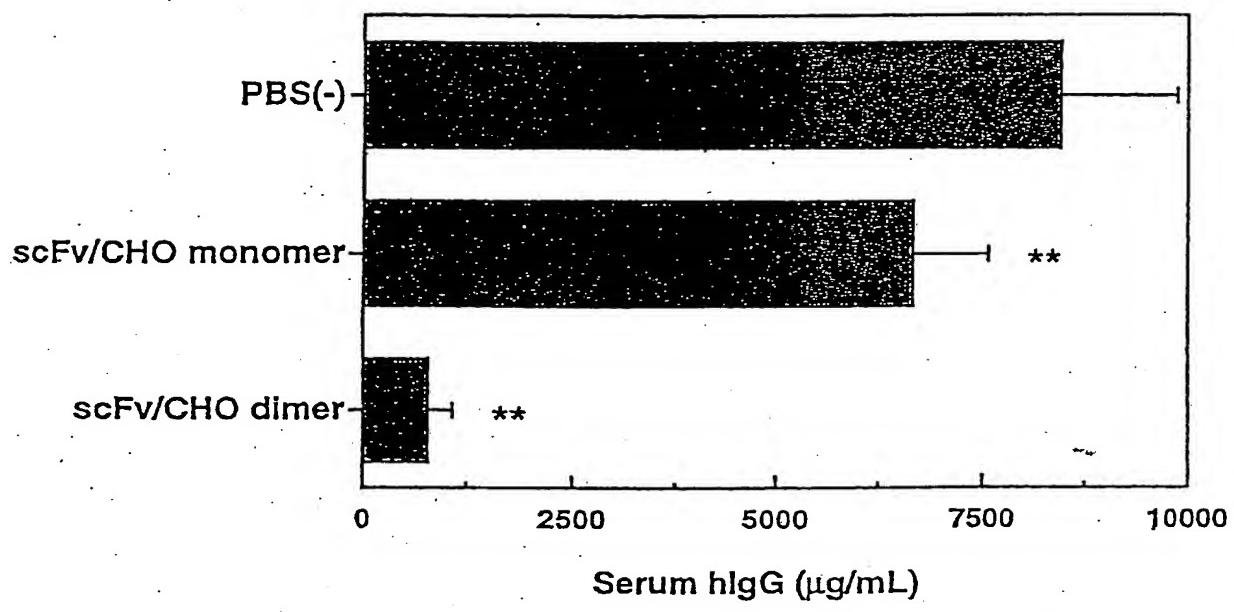


Fig. 32

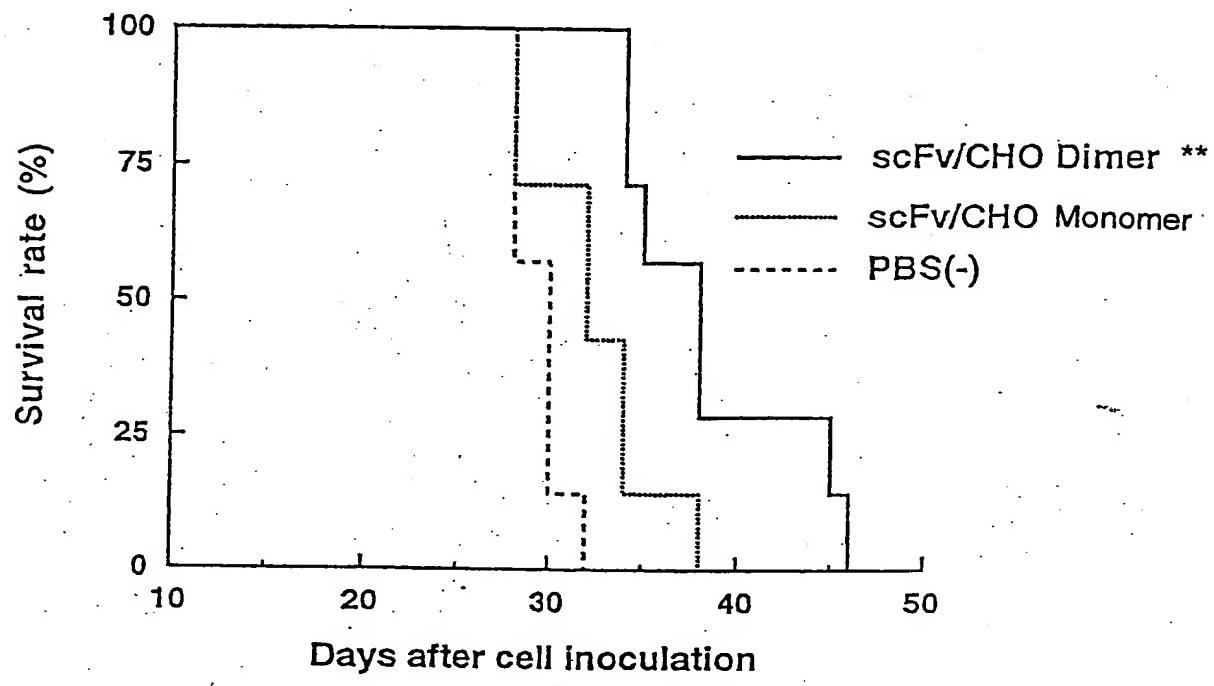
*Effect of MABL-2 (scFv) on serum hIgG  
in KPMM2 i.v. SCID mice*



\*\* : p<0.01

Fig. 33

*Effect of MABL-2 (scFv) on survival  
of KPMM2 i.v. SCID mice*



\*\* ; P<0.01 by t-test

Fig. 34

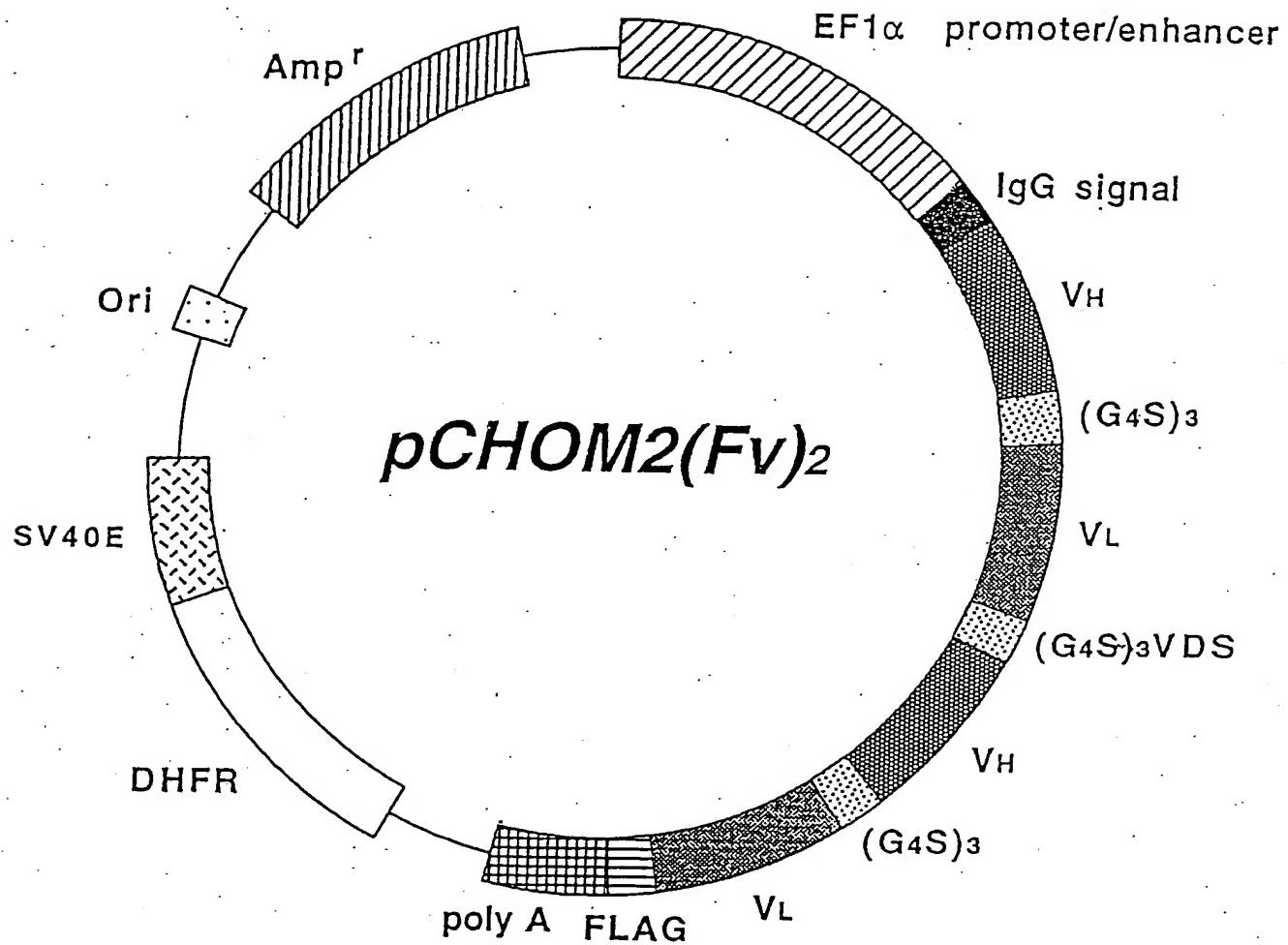


Fig. 35

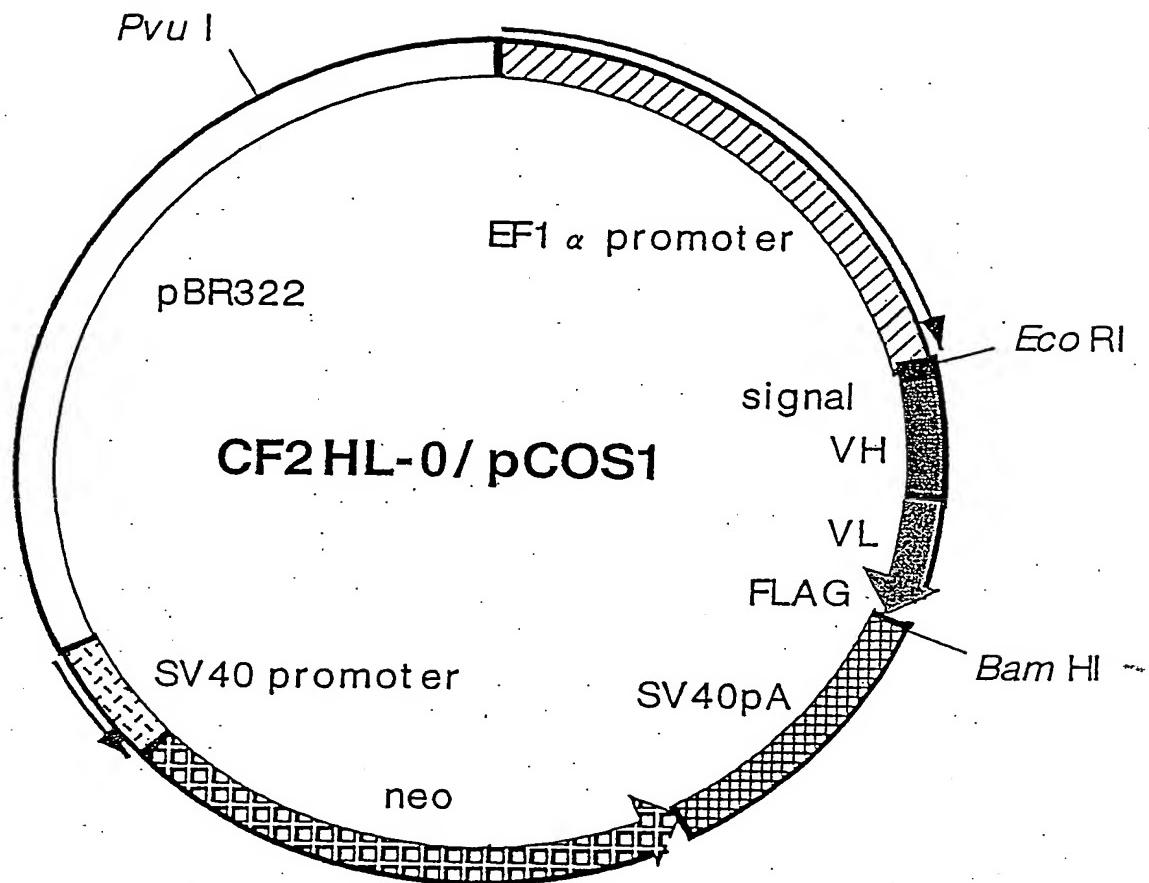
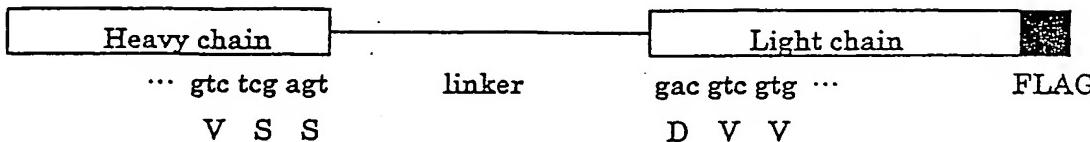


Fig. 36

## Base Sequence and Amino Acid Sequence of Linker for HL Type



Plasmid	Number of		linker
	linker	amino acid	
CF2HL-0/pCOS1	0	gtc tcg agt V S S	gac gtc gtg D V V
CF2HL-3/pCOS1	3	gtc tcg agt ggt ggt tcc V S S G G S	gac gtc gtg D V V
CF2HL-4/pCOS1	4	gtc tcg agt ggt ggt ggt tcc V S S G G G S	gac gtc gtg D V V
CF2HL-5/pCOS1	5	gtc tcg agt ggt ggt ggt ggt tcc V S S G G G G S	gac gtc gtg D V V
CF2HL-6/pCOS1	6	gtc tcg agt gt ggt ggt ggt ggt tcc V S S G G G G G S	gac gtc gtg D V V
CF2HL-7/pCOS1	7	gtc tcg agt ggt ggt ggt ggt ggt tcc V S S G G G G G G S D V V	gac gtc gtg

Fig. 37

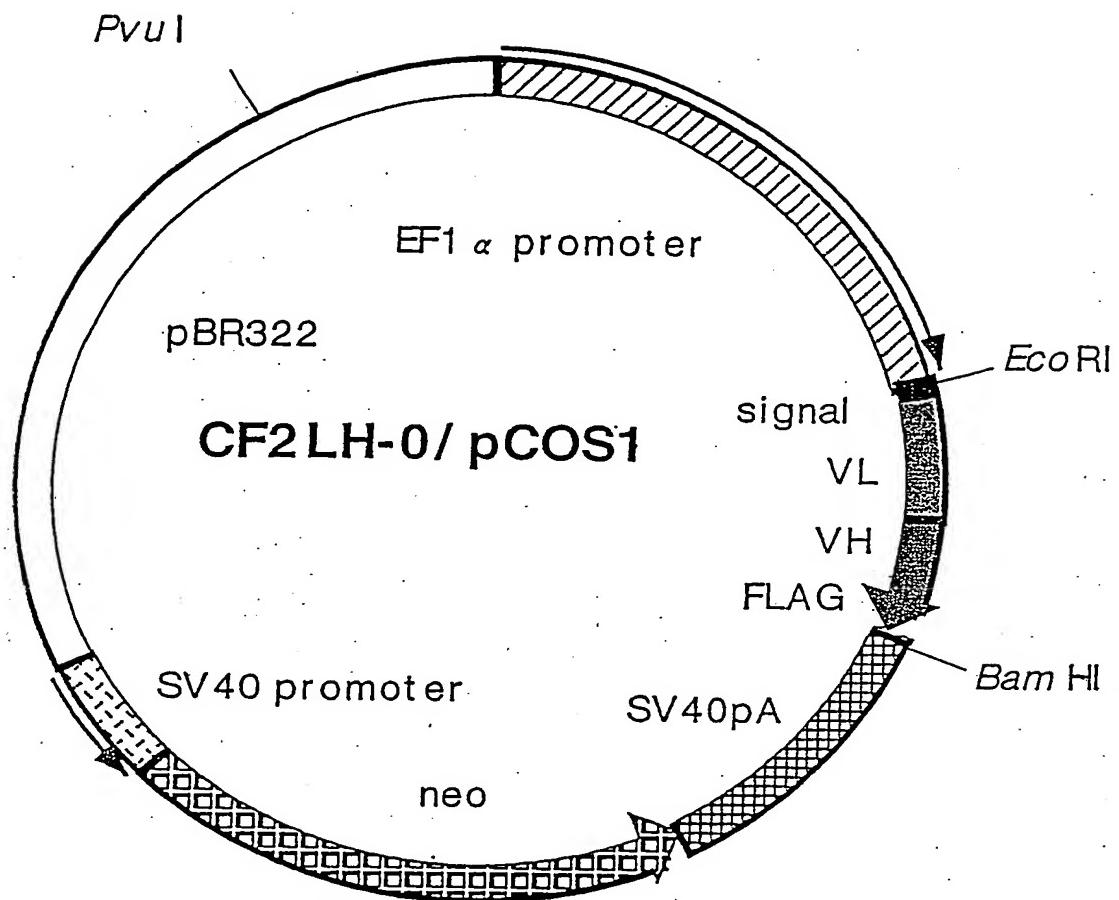
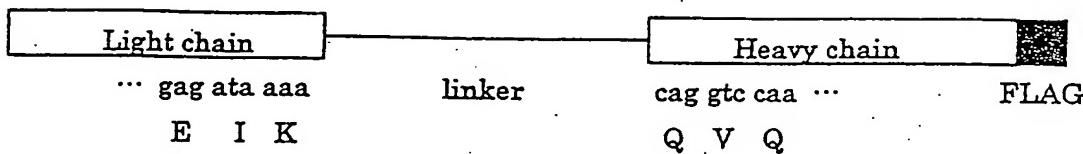


Fig. 38

## Base Sequence and Amino Acid Sequence of Linker for LH Type



Plasmid	Number of		linker
	linker	amino acid	
CF2LH-0/pCOS1	0	gag ata aaa E I K	cag gtc caa Q V Q
CF2LH-3/pCOS1	3	gag ata aaa tcc gga ggc E I K S G G	cag gtc caa Q V Q
CF2LH-4/pCOS1	4	gag ata aaa tcc gga ggt ggc E I K S G G G	cag gtc caa Q V Q
CF2LH-5/pCOS1	5	gag ata aaa tcc gga ggt ggt ggc E I K S G G G G	cag gtc caa Q V Q
CF2LH-6/pCOS1	6	gag ata aaa tcc gga ggt ggt ggt ggc E I K S G G G G G	cag gtc caa Q V Q
CF2LH-7/pCOS1	7	gag ata aaa tcc gga ggt ggt ggt ggt ggc E I K S G G G G G G Q V Q	cag gtc caa

Fig. 39

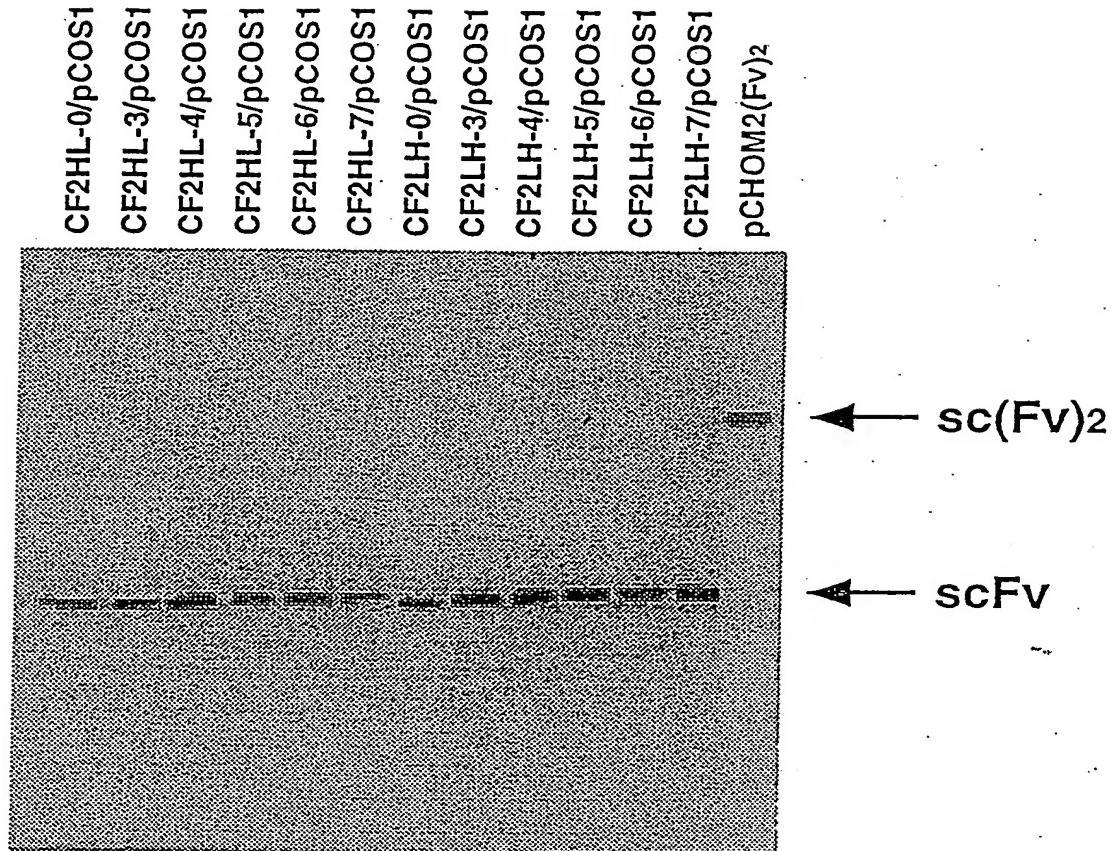


Fig. 40a

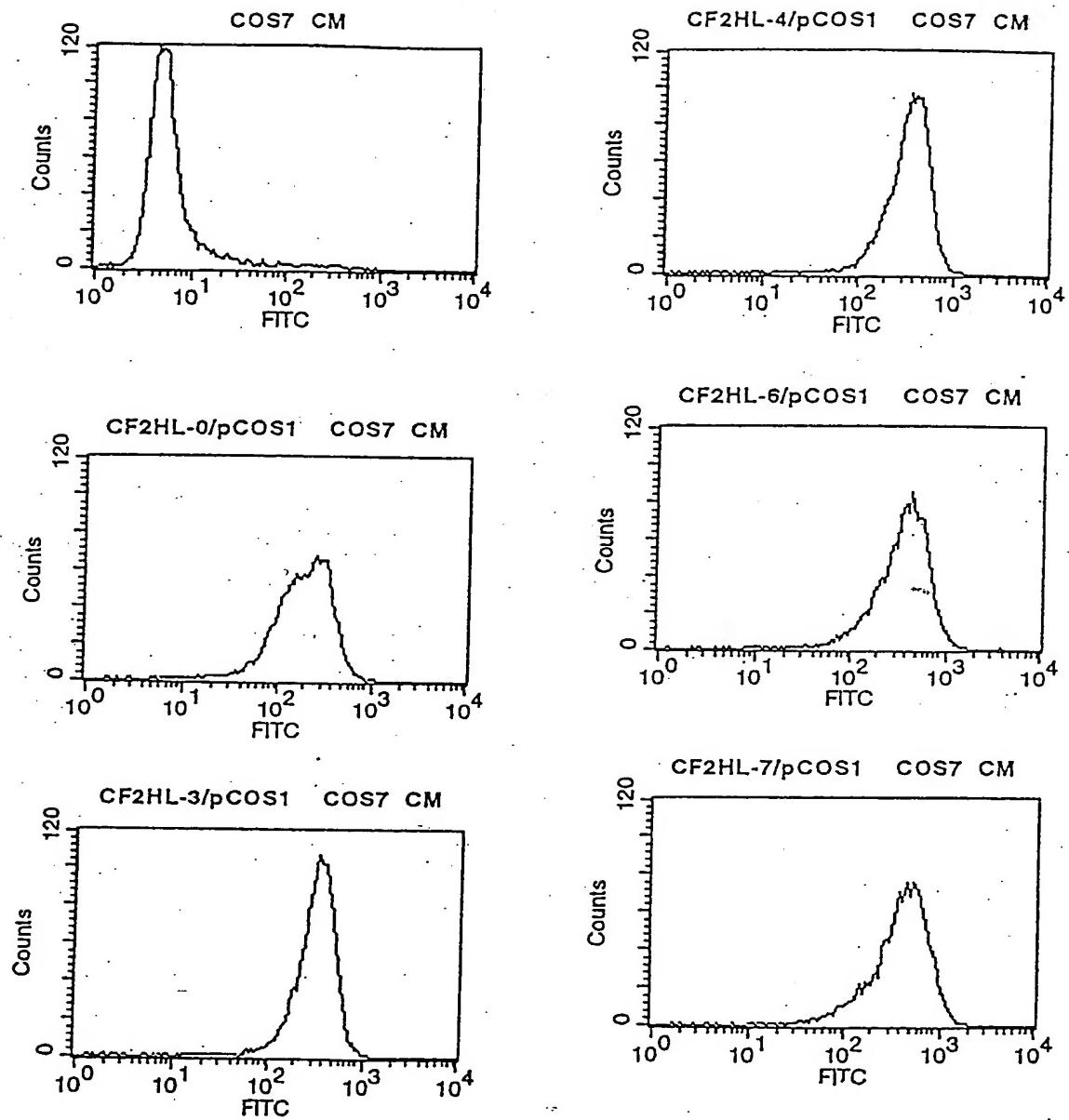
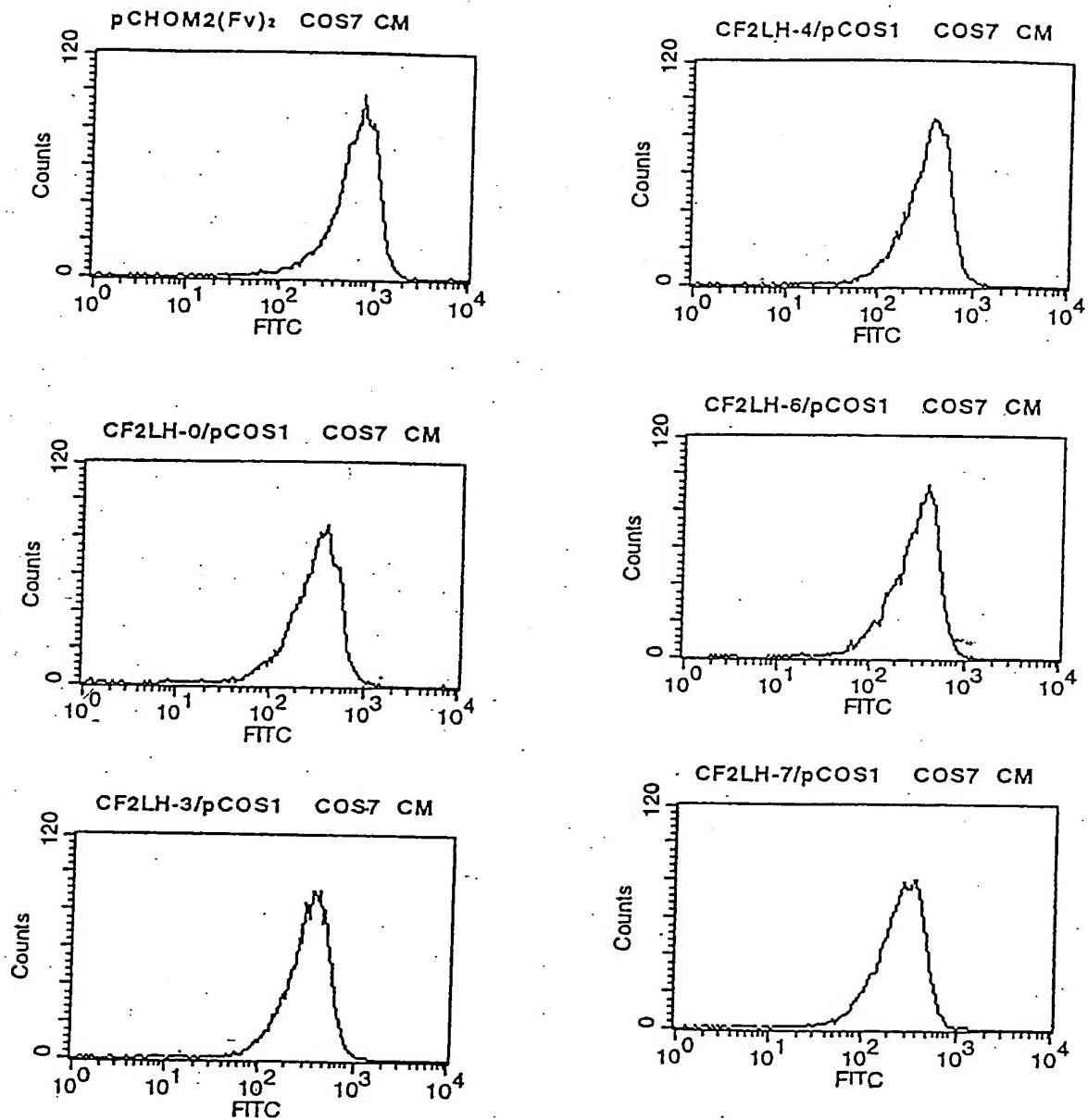


Fig. 40b



**Fig. 41**

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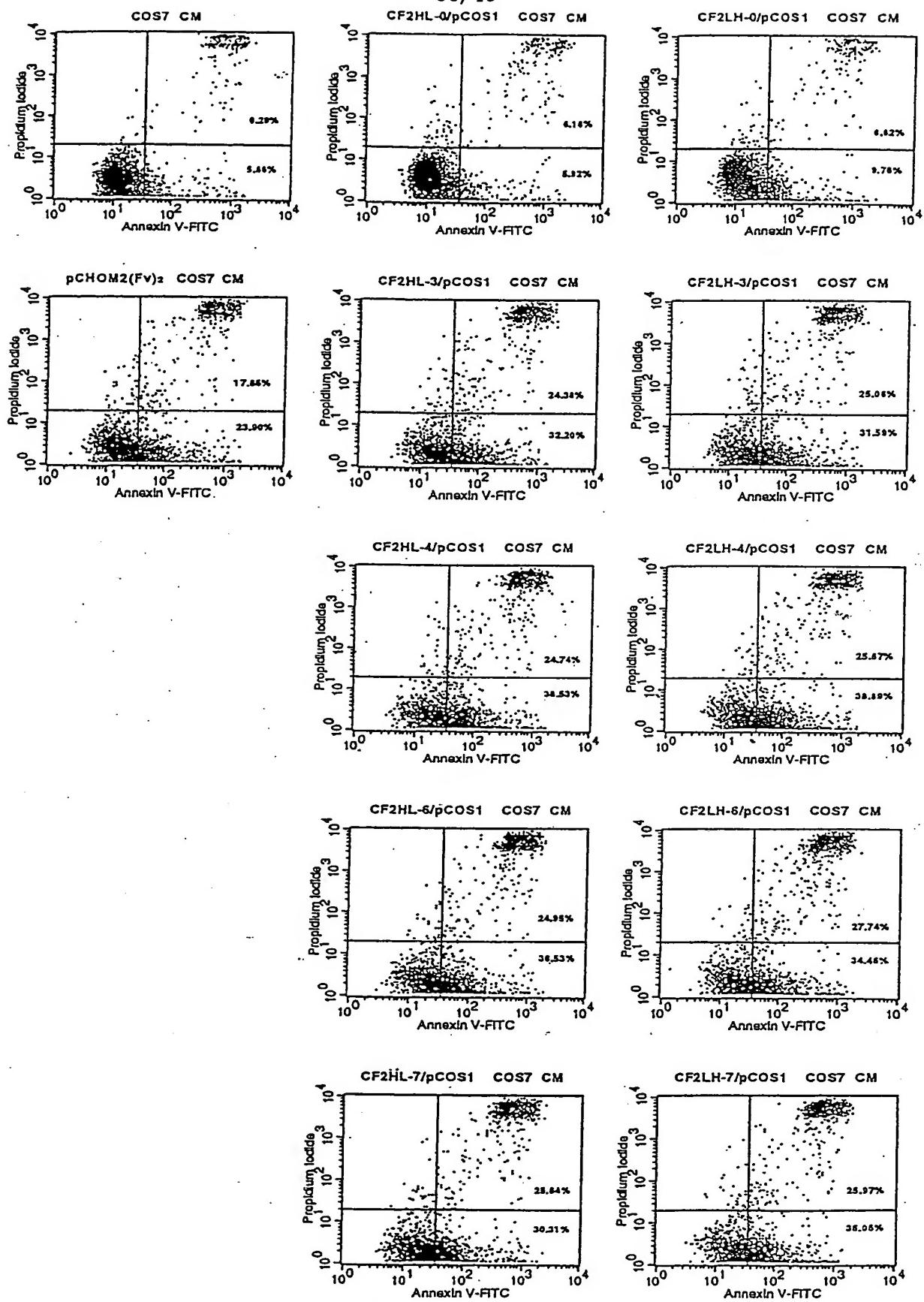


Fig. 42

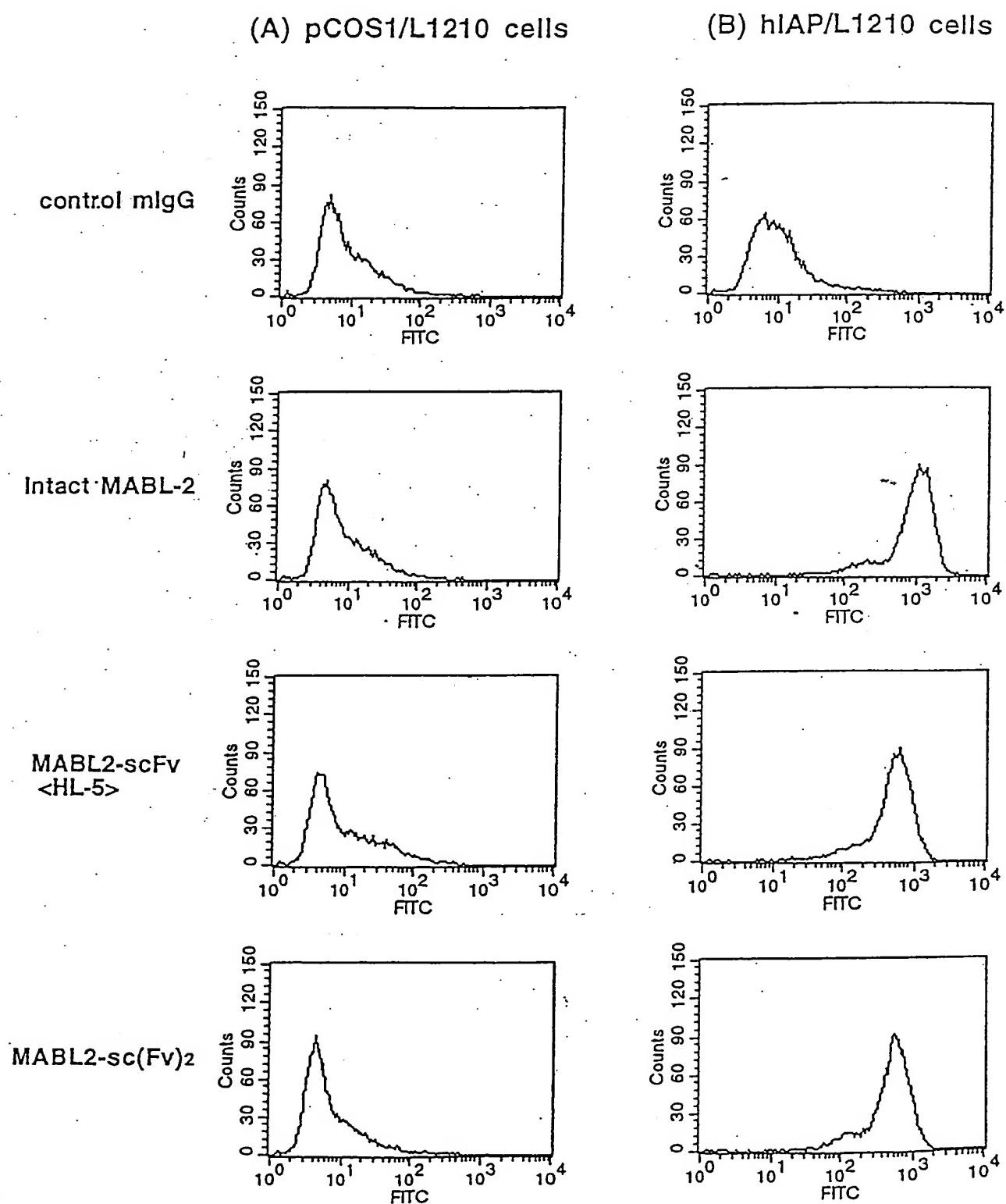


Fig. 43

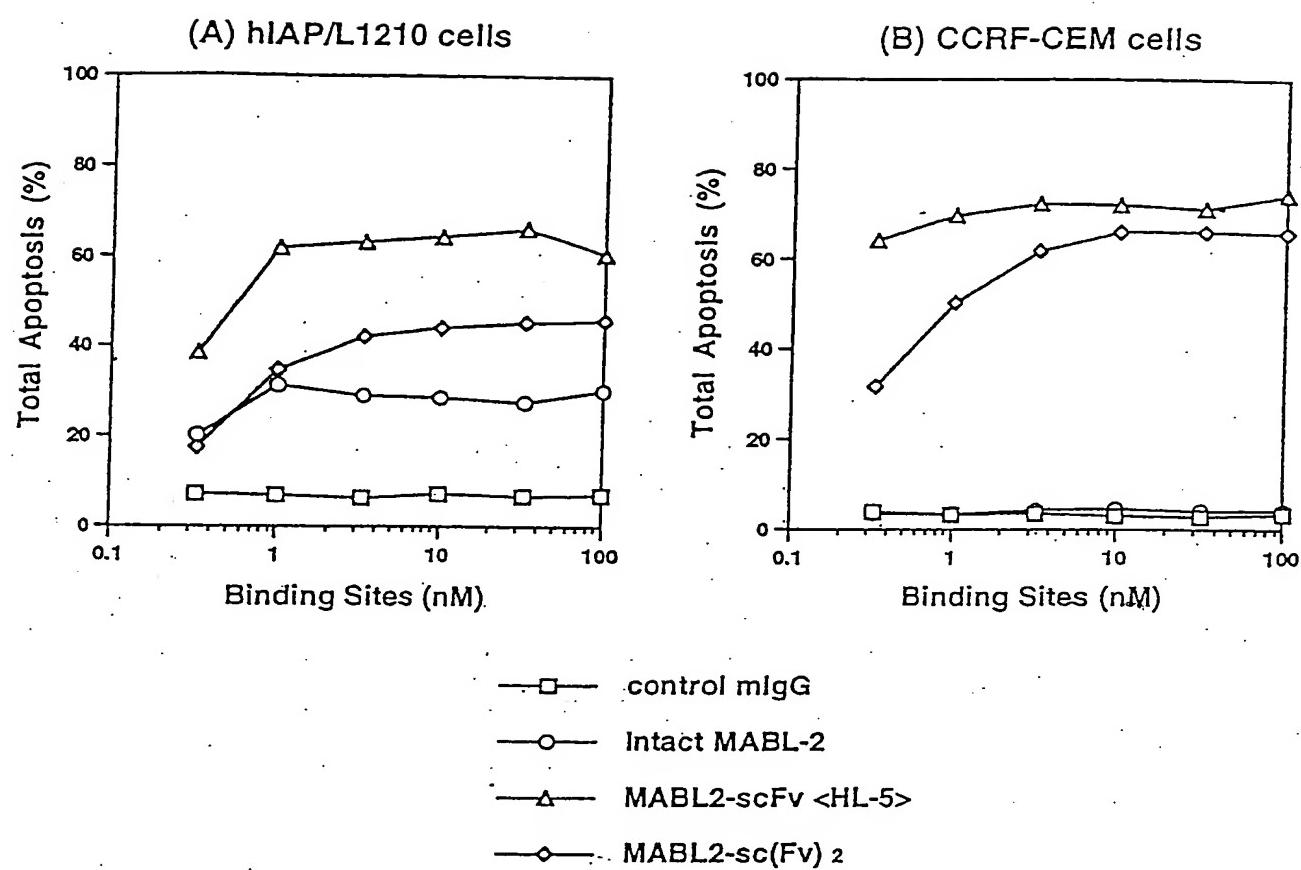


Fig. 44

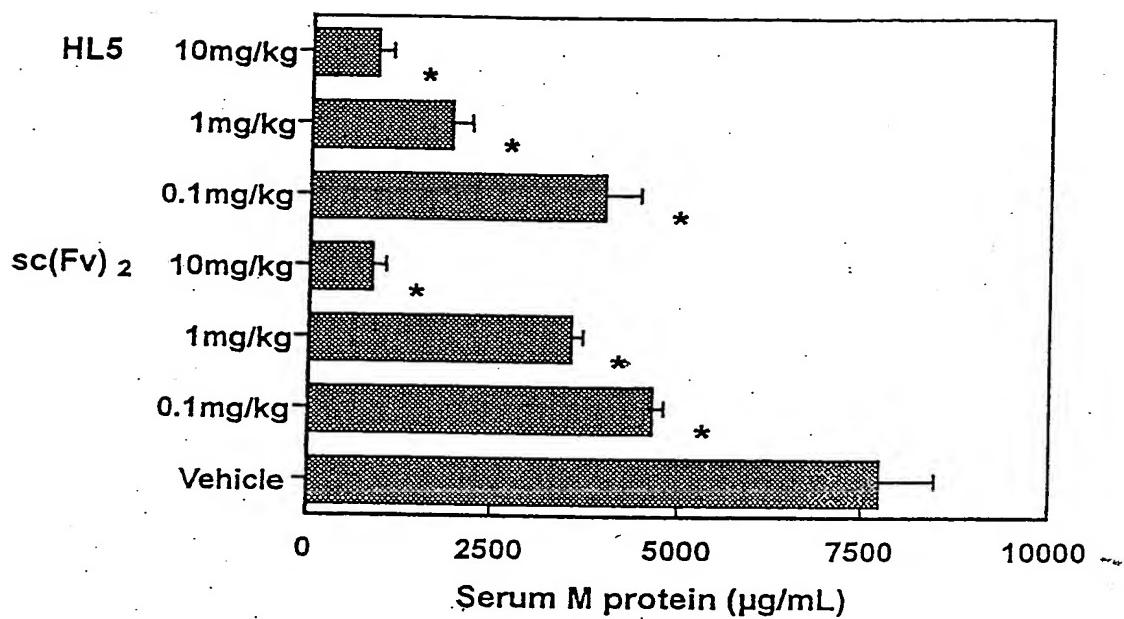
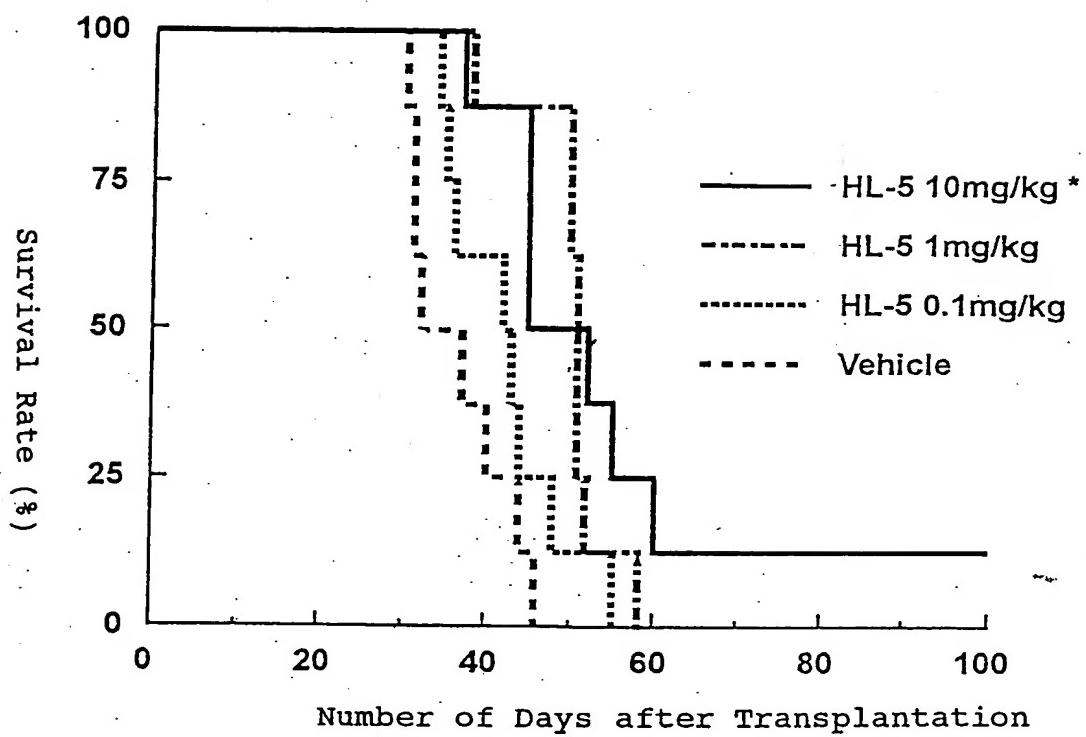


Fig. 45



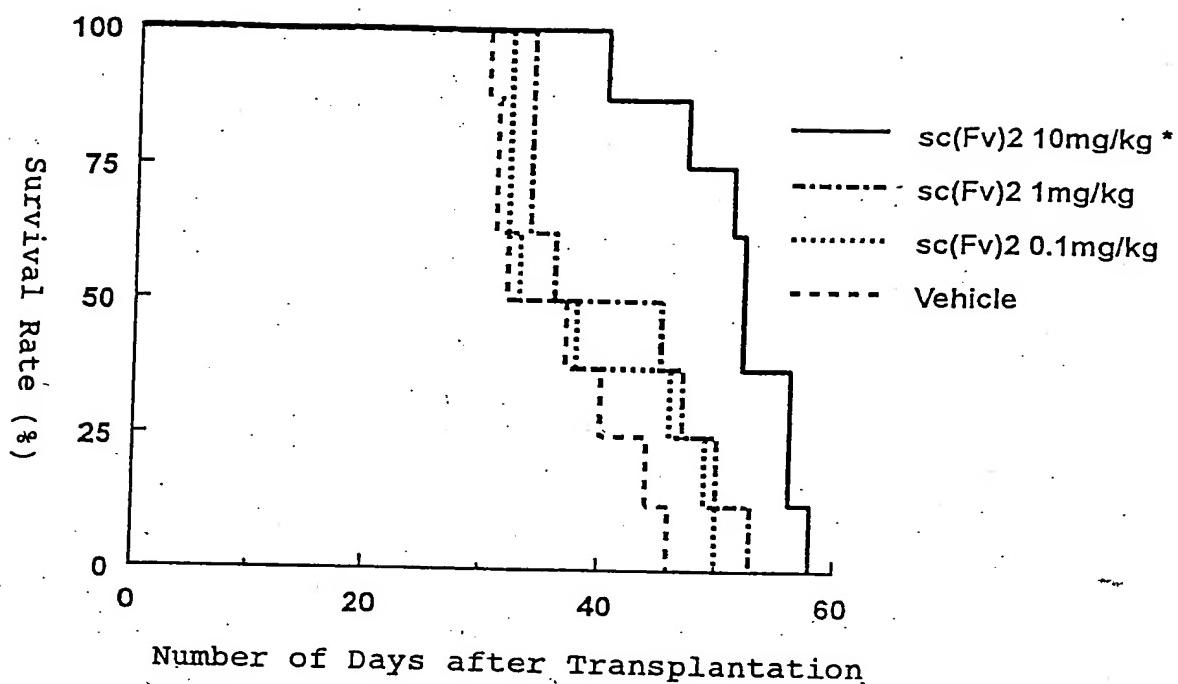
**Fig. 46**

Fig. 47

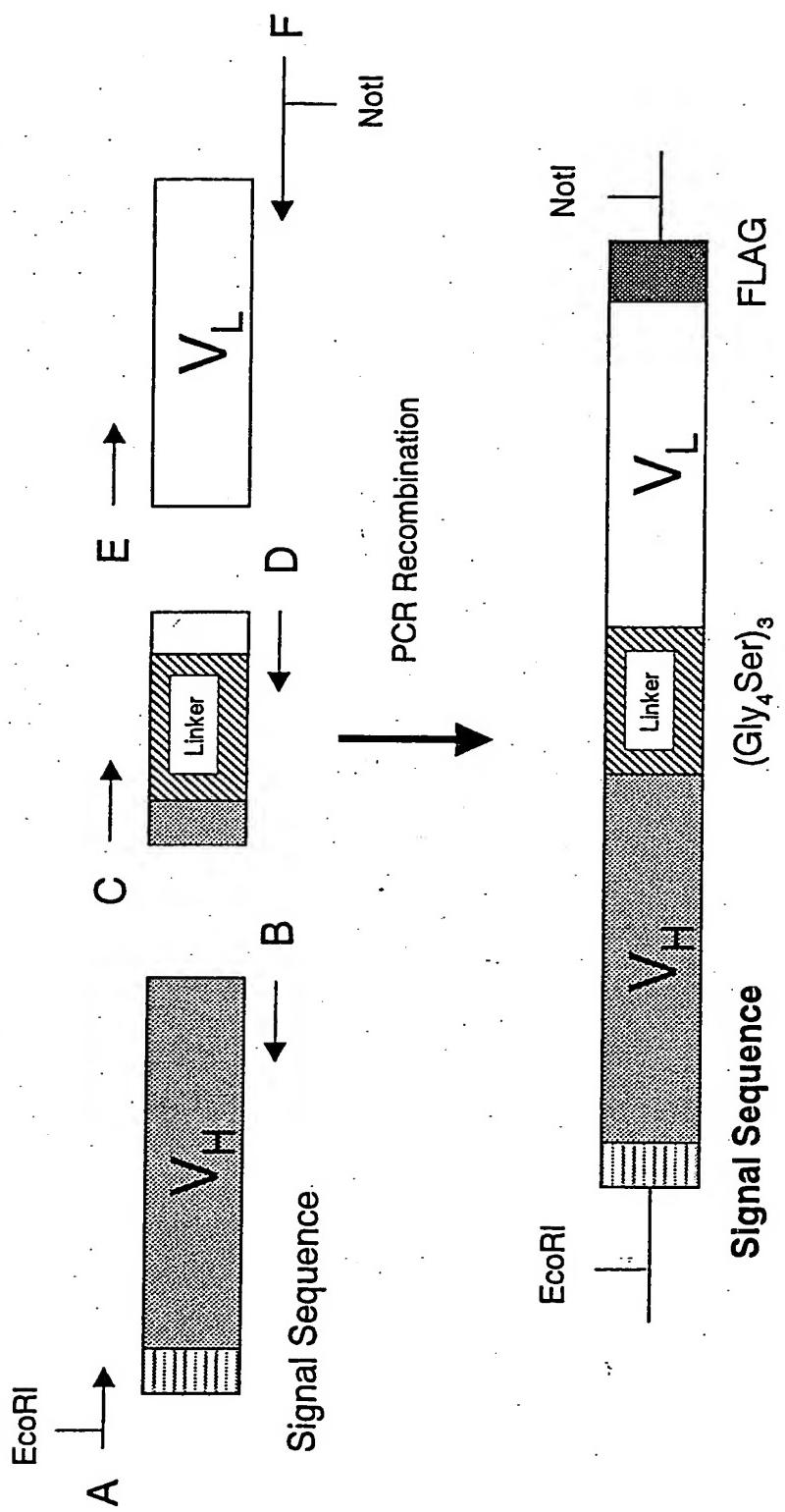
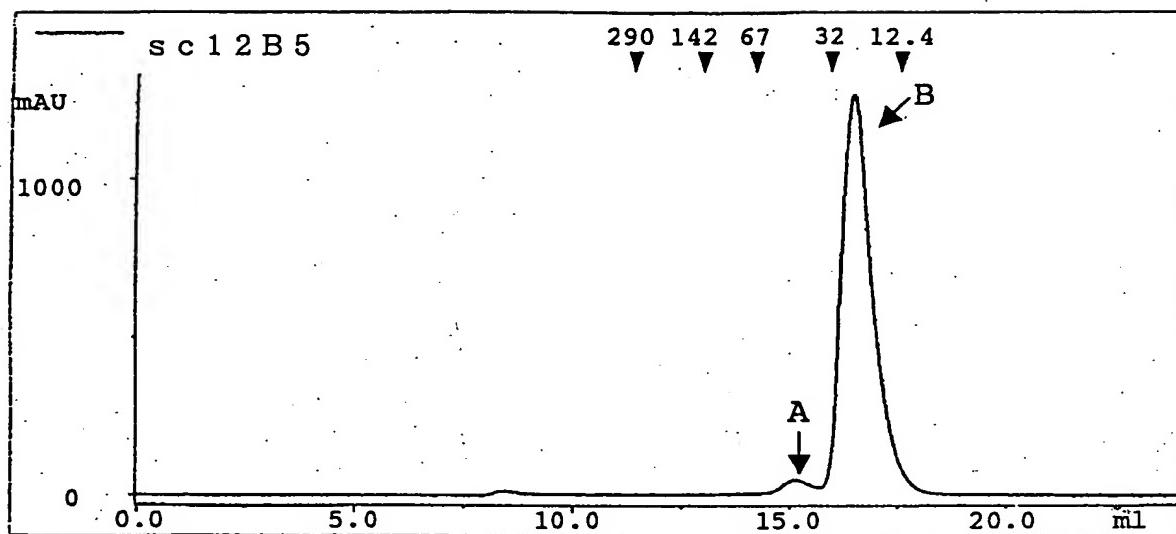


Fig. 48



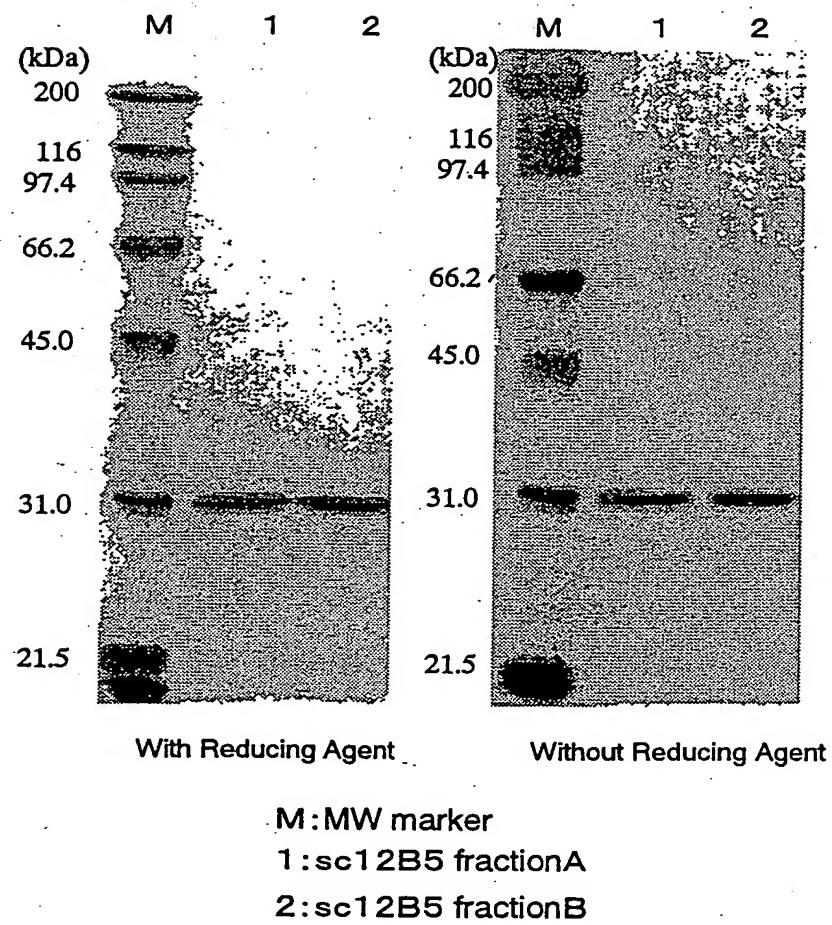
**Fig. 49**

Fig. 50

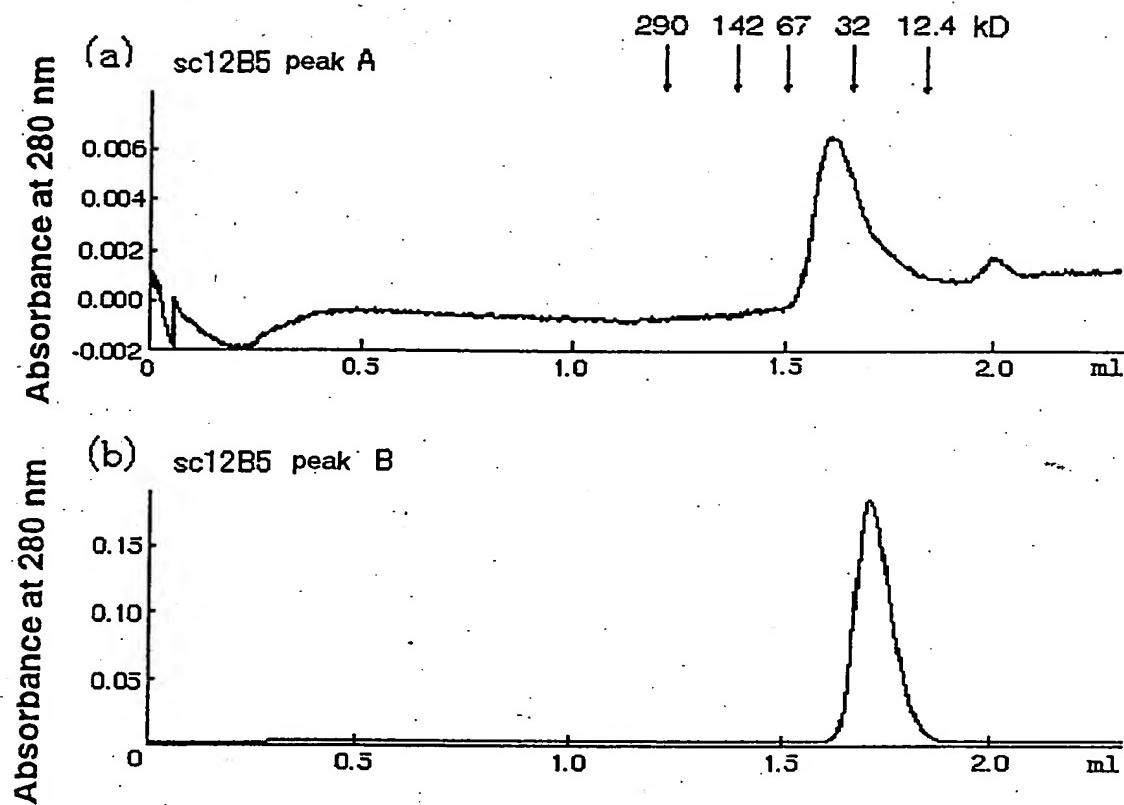


Fig. 51

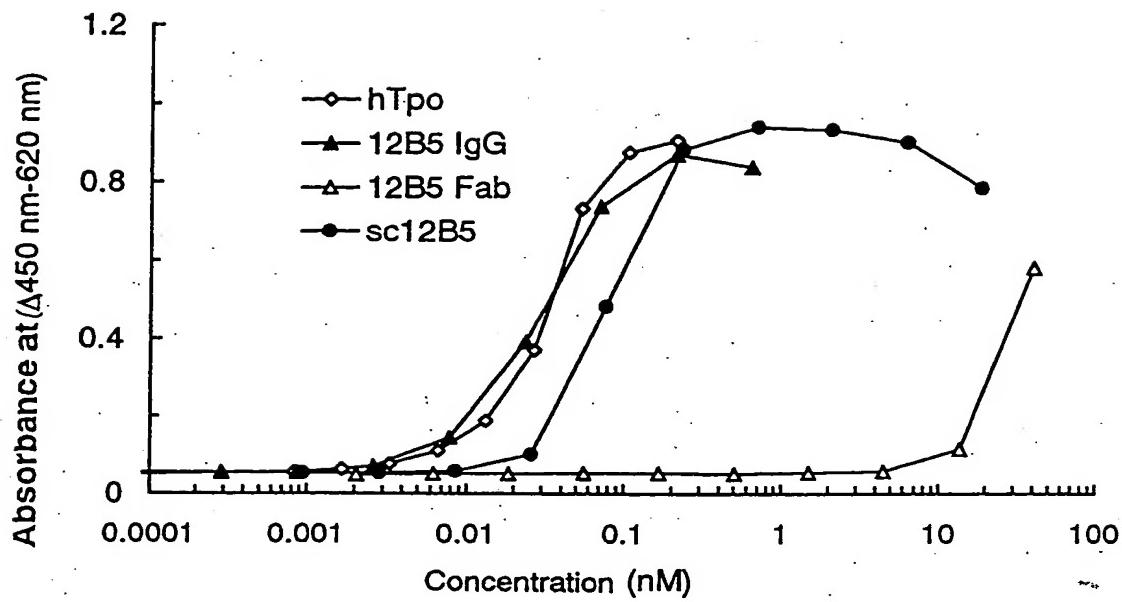


Fig. 52

